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THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER BANK 852.

Registered as a Newspaper.

TELEGRAPHIC ADDRESS "CHEMICUS LONDON."

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Subscription, 10s. per annum, including Diary, Free the World over. Single Copies, 6d. each. Winter and Summer Issues, 1s. each. Post Free.

APENTA

THE APOLLINARIS COMPANY, LIMITED have decided to protect the price to the public at

11d. per large Bottle,

and conditions to this effect will now be attached to each invoice.

Index and Buyers' Guide, pp. 7, 8, 9, 10, and 11.

OUR AMERICAN COUSINS
and
"THE LITTLE LIVER PILL" Question.

A well-organised attempt has been commenced by a well-known American firm, involving the personal canvass of the entire trade, to persuade Chemists to surrender their undoubted right to the use of the title, "Little Liver Pills."

We have been asked to assist in the movement, but as we do not think it to the interest of the trade, we have expressed our unwillingness to do so.

If you receive in the near future a call from the very able and courteous representative, who will try and convince you that it is an Englishman's duty to give up to his firm the monopoly of this small fraction of the English language, we would ask you to reply somewhat as follows :—

THE CHEMIST'S REPLY.

1. I have **sold** Little Liver Pills for many years. I have personally established a user's right to the title.
2. I have regular customers for my own Little Liver Pills, and I do not feel disposed to interfere with their sale by any alteration of title.
3. I do not feel anxious to give your firm free advertisement by placing myself under the necessity of explaining to my customers that I have altered the name of my preparation in deference to the wishes of the Proprietors of ———'s Little Liver Pills.
4. I suggest that your firm should exercise their ingenuity to alter **their** title to one capable of registration, (this has been successfully done in the exactly parallel case of "Lemco"), and the necessity of asking the trade to surrender their privileges would no longer exist.

THE American representative will quite frankly admit to you that he has no legal right to the monopoly; it is merely a matter of courtesy.

We English Pharmacists have recently been unjustly deprived of certain of our hardly won privileges, and it is not the time to ask us to abandon any that we are not compelled to abandon.

Stick to the good plain English title "LITTLE LIVER PILLS"; don't agree to adopt any such silly title as "TINY LIVER TICKLERS." Our American cousins must not presume too much on the friendly spirit in which we view their attempts to monopolise the English Pill trade

LITTLE LIVER PILLS.

STYLE 1

STYLE 2

1/2
PER DOZEN
for 12 dozen.

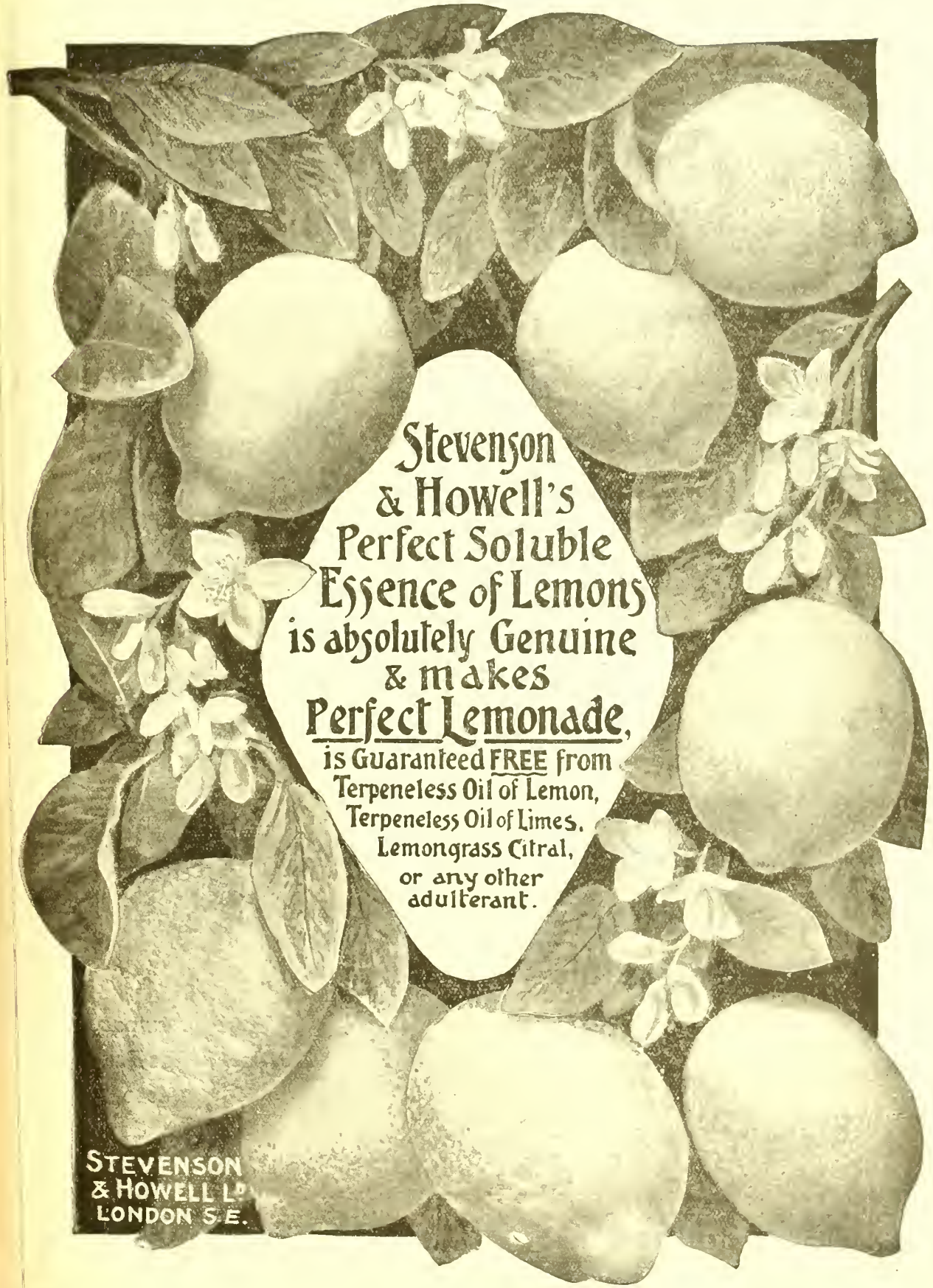
STYLE 3.

1/2
PER DOZEN
for 12 dozen.

6 dozen at **1/4** per dozen; 3 dozen at **1/6** per dozen.

Name and Address free on 3 dozen. Carriage paid.

THE STANDARD TABLET & PILL CO., HOVE.


Stevenson
& Howell's
Perfect Soluble
Essence of Lemons
is absolutely Genuine
& makes
Perfect Lemonade,
is Guaranteed FREE from
Terpeneless Oil of Lemon,
Terpeneless Oil of Limes,
Lemongrass Citral,
or any other
adulterant.
STEVENSON
& HOWELL LD
LONDON S.E.

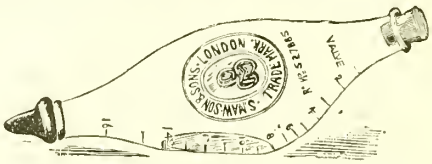
MAW'S FEEDING BOTTLES.

THE CENTURY,

Regd. No. 527885.

WITH TRANSPARENT TEAT.

7/6 per doz. with Brush complete.



7/6 per doz. with Brush complete.

This Feeding Bottle is so constructed that when laid on either side the food gravitates towards the end on which teat is affixed; thus the bottle can be left temporarily with the infant without attention.

LITTLE FOLKS.

With Black Teat and Brush complete **4/3** per doz.

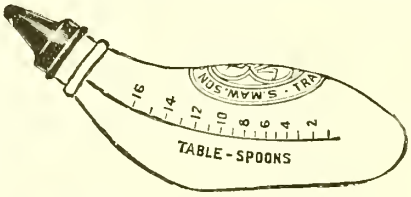
With Transparent Teat and Brush complete **4/6** per doz.

The Popular 6d. Feeding Bottle.

THE OVAL,

WITH PINHOLE FOR ADMISSION OF AIR.

With Black Teat and Brush complete **3/9** per doz.



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IT PAYS ALL CHEMISTS TO KEEP IT.

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IN

EVERY PARTICULAR.

Supplied in 2500, 3000, and 5000 Tests.

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THE BUYERS' GUIDE.

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Crown Chemical Works, Ltd.

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Raphaels, Ltd.

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Bush, W. J., & Co., Ltd.
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Sthamer, Dr. Richard
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Sankyo & Co.
Smith, Stanistreet & Co.

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Tomlinson & Hayward, Ltd.
Woolley, J., Sons & Co., Ltd.

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Hutchinson Co.

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Boehringer, C. H., Sohn
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Macfarlan, J. F., & Co.
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Macfarlan, J. F., & Co.
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(*See also* CHLOROFORM)

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(*See also* DISINFECTANTS)

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Wood, Vincent

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Hewlett, C. J., & Son
Newbery, F., & Sons, Ltd.
Southall Bros. & Barclay, Ltd.
Woolleys, Ltd.

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CYANIDES
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Tomlinson & Hayward, Ltd.

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Fentiman, A. J., & Co.
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Wardale & Co.

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Burroughs Wellcome & Co.
Calvert, F. C., & Co.
Christy, T., & Co.
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Eucryl, Ltd.
Jewsbury & Brown
Lambert Pharmacal Co.
McKesson & Robbins
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Standard Tablet & Pill Co.
Woods, W., & Son
Woolley, J., Sons & Co., Ltd.

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Van Abbott, G., & Sons

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Parke, Davis & Co.
Squire & Sons
Zimmermann, C., & Co.

DYES
Judson, D., & Son
Whitaker & Co.

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Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Dalmas, A. de St., & Co.
Edwards, W., & Son
Jeyes' Sanitary Compounds, Ltd.
Kay Bros., Ltd.
Lambert Pharmacal Co.
Roberts, Cornford & Co.
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

DRUGGISTS' SUNDRIES
Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley
Chemists' Co-operative Wholesale
Christy, T., & Co.
Cook, Alfred, & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb
Fecher, M. J.
Gutmann, A. E., & Co.
Hay, J. B., & Co.
Hewlett, C. J., & Sons
Hovenden, R., & Sons, Ltd.
Johnsen & Jorgensen, Ltd.
Lennon, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Murdoch, John, & Co.
Newbery, F., & Sons, Ltd.
Poths, H., & Co.
Quelch, H. C., & Co.
Reuter, R. J.
Sangers'
Schutze, F., & Co.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Tidman & Son, Ltd.
Toogood, W., Ltd.
Viscose Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co.

DRUGS, CRUDE
Holzmuller & Schmidt
Horner & Sons
Potter & Clarke, Ltd.
Ransom, W., & Son
Salle, H., & Cie.

EAU DE COLOGNE
Breidenbach & Co.
Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courtenay & Co.
McCracken, J. & R.
Schutze, F., & Co.

EDUCATIONAL INSTITUTIONS
Bath and West of England College of Pharmacy
Birmingham and Midland College of Pharmacy
British Optical Institute
Edinburgh Central School of Pharmacy
Glasgow School of Pharmacy
Leeds College of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
Manchester College of Pharmacy
Muter's (So. Lond.) School of Pharmacy
North of England School of Pharmacy
Northern College of Pharmacy
Pharmaceutical Society's School of Pharmacy.
South of England College of Pharmacy
Westminster College of Pharmacy

EFFERVESCENT PREPS.
Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
Blackie, R.
Bristol-Myers Co.
Cox, A. H., & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Kutnow, S., & Co., Ltd.
Lloyd, T. Howard, & Co.
Lorimer & Co., Ltd.
Newball & Mason
Potter & Clarke
Standard Tablet & Pill Co.
Sturge, John & E.
Tidman & Son, Ltd.
Tyrer, T., & Co., Ltd.
Wright, Layman & Umney

ELASTIC HOSIERY
Ayrton, Saunders & Co., Ltd.
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H.
Jackson, Rohrs, & Co.
Maw, S., Son & Sons
Wood, Vincent

EMERY AND CLOTH
Oakey, J., & Sons, Ltd.

EMULSIONS, COD-LIVER OIL, ETC.
Allen & Hanburys, Ltd.
Ayrton, Saunders & Co.
Baiss Bros. & Stevenson, Ltd.
Blackie, R.
British Drug Houses, Ltd.
Evans Sons Lescher & Webb, Ltd.
Fauldiag, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Scott & Bowne, Ltd.
Parke, Davis & Co.
Woolley, Jas., Sons & Co.
Woolleys, Ltd.

EPSOM SALTS
Howards & Sons, Ltd.

ESSENCES, CONCRETE
Lautier Fils
Murray, O., & Co., Ltd.
Roure-Bertrand fils
Schmoller & Bompard

ESSENCES, SOL. AND FRUIT
Alliance Drug & Chem. Co.
Baiss Bros. & Stevenson, Ltd.
Barnett & Foster
Boake (A.), Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Cresp-Martinenq
Evans Sons Lescher & Webb
Hay, Wm., Ltd.
Lautier Fils
London Essence Co.
Lorimer & Co., Ltd.
Newball & Mason
Roure-Bertrand fils
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Zimmermann, A. & M.

ENEMAS
Bailey, W. H., & Son
Burge, Warren & Ridgley
Davol Rubber Co.
Hay, J. B., & Co.
Ingram, J. G., & Son
Maw, S., Son & Sons
Toogood, W., Ltd.
Warne, W., & Co., Ltd.

ETHERS
Baiss Bros. & Stevenson, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL
British Drug Houses, Ltd.
Baiss Bros. & Stevenson, Ltd.

EXTRACT OF HERBS
Newball & Mason
Potter & Clarke

EXTRACTS (MEDICINAL)
Allen, Stafford, & Sons, Ltd.
Chemists' Co-operative Wholesale
Hewlett, C. J., & Son
Parke, Davis & Co.
Ransom, W., & Son
(*See also* WHOLESALE DRUGGISTS)

FEEDING BOTTLES
Breffit, E., & Co., Ltd.
Fecher, M. J.
Hovenden, R., & Sons, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Sangers'
Southall Bros. & Barclay, Ltd.
Taylor, F. H., & Sons

FILTERS (WATER)
Berkefeld Filter Co., Ltd.

FLESH GLOVES
Sangers'

FLYCATCHERS
Alabastine Co. (British), Ltd.
Deansmere Manfg. Co.
Flykatcho
Ford, Shapland & Co.
Frowein, C.
Kay Bros., Ltd.
Lange's, H., Successors
Smith, J. H., & Co.
Strong, Christy
Tunbridge & Wright

FORMALDEHYDE
Burt, Boulton & Haywood

FOODS, INFANTS'
Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Lofthouse & Saltmer
Natural Food Co., Ltd.
Willows, Francis, B. & T.

FOODS, SPECIAL
Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Burt, C. J.
Callard & Co.
Fairchild Bros. & Foster
Frame Food Co., Ltd.
Menley & James, Ltd.
Miol Manufacturing Co.
Natural Food Co., Ltd.
Wander, A.

FRUIT CRYSTALS
Aerators, Ltd.

FULLER'S EARTH
Mumford, G. S., & Sons

FUMIGATORS
Sanitas Co., Ltd.

GELATIN AND GLUE
Boehm, F., Ltd.

GLAUBER'S SALT
Bramwell, E., & Son
Howards & Sons, Ltd.

GLYCERIN
Boehm, F., Ltd.
Price's Patent Candle Co.

GOLD PAINT
Judson, D., & Son

GRINDERS
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis B. & T.

HAIR PREPARATIONS
Capsuloids (1909), Ltd.
Chesebrough Manfg. Co.
Dralle, Georg.
Edwards' "Harlene" Co.
Harker, Stagg & Morgan
Herpicide Co.
John Bull Hair Food
John Strange Winter
Martiné & Co.
Robare's Aureoline
Rowland, A., & Sons
Woolleys, Ltd.

HAIR WAVERS AND CURLERS
Merkham Trading Co., Ltd.

HAT DYES
Whitaker & Co.

HAT RENOVATORS
Christy, T., & Co.

HEATING FLASKS
Gutmann, A. E., & Co.

HERBS
Potter & Clarke

HOMŒOPATHIC MEDICINES
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

HOT-WATER BOTTLES
Berliner, Arthur
Burge, Warren & Ridgley
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Southall Bros. & Barclay
Wood, Vincent

HOTELS
Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HYDROGEN PEROXIDE
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES
May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

INHALERS
Christy, T., & Co.
Fecher, M. J.
Sangers'
Taylor, F. H., & Sons

INK
Bewley & Draper, Ltd.
Hickisson, A. B.

INSECT POWDER
Boehm, F., Ltd.
Smith, B. A., & Co.

INSECTICIDES
Christy, Thos., & Co.
Corry & Co., Ltd.
Smith, B. A., & Co.
Tomlinson & Hayward, Ltd.
Voss, Walter, & Co.
Woolleys, Ltd.

IODINE AND IODIDES
Howards & Sons, Ltd.
Merck, E.
Morson, T., & Son

ITROSYL
Fletcher, Fletcher & Co.

JARS AND POTS
Breffit, E., & Co., Ltd.
Cook, A., & Co.
Johnsen & Jorgensen, Ltd.
Kilner Bros., Ltd.
Lange, Jules, & Son
Maw, S., Son & Sons
Poths, H., & Co.
Reuter, R. J.
Stipendum Stopper Co.
Taylor, F. H., & Sons
Toogood, W., Ltd.

LACTIC FERMENTS
Allen & Hanburys, Ltd.
Cox, Arthur H., & Co., Ltd.
Martindale, W.
Parke, Davis & Co.
Wilcox, Jozeau & Co.

LAMPS, DISINFECTING
Roberts, Cornfield & Co.

LANOLINE
Burroughs Wellcome & Co.
Christy, T., & Co.
Sangers'

LARD
Chemists' Co-operative Wholesale
Ewen, J., & Sons

LIME JUICE AND CORDIAL
Evans Sons Lescher & Webb
Goodall, Backhouse & Co.
Idris & Co., Ltd.

LINSEED, CRUSHED, ETC.
Allen, Stafford, & Sons
Mumford, G. S., & Sons

LINTS
Vernon & Co., Ltd.

LIQUORICE JUICE
Boehm, F., Ltd.
British Drug Houses, Ltd.
Evans, Gray & Hood
Evans Sons Lescher & Webb, Ltd.
Horner & Sons
Jackson, E. E.
Mumford, G. S., & Sons

LIQUORS, CONC., ETC.
Allen, Stafford, & Sons, Ltd.
Fletcher, Fletcher & Co.
Hewlett, C. J., & Son
Robinson, B., & Co.

LITHIA SALTS
British Drug Houses, Ltd.
May & Baker, Ltd.
Merck, E.

LOOFAHS
Cresswell Bros. & Schmitz

LOZENGES
Allen & Hanburys, Ltd.
Cox, A. H., & Co., Ltd.
Denoual, J., & Co.
Jackson, E. E.
Potter & Clarke
Raimes & Co.
Warrick Bros.

MACHINERY, PHARMACAL
Allen & Hanburys, Ltd.
Bennett, E., & Son, Ltd.
Bennett, Sons & Shears, Ltd.
Brown & Son
Fecher, M. J.
Gardner, Wm., & Sons, Ltd.
"Hercules" Meat Juice Press
Pindar, J. W., & Co.
Smith, B. A., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper (Stokes)
Wilkinson, S. W., & Co.

MAGNESIA AND ITS SALTS
Henry, T. & W.
Howards & Sons, Ltd.
May & Baker, Ltd.
Washington Chemical Co.

MAILING CASES
May, Roberts & Co.

MALT EXTRACT AND PREPS.
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, R.
British DiaMalt Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb
Hewlett, C. J., & Son
Lorimer & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Squire & Sons
Woolley, Jas., Sons & Co., Ltd.
Wright, Layman & Umney

MARKING INK
Hickisson, A. (Bond's)

MEAT EXTRACTS
Armour & Co., Ltd.
Brand & Co., Ltd.
Bovril, Ltd.

MEDICINE CHESTS
Burroughs Wellcome & Co.
Keene & Ashwell, Ltd.
Leath & Ross
Lloyd, F. Howard, & Co.
Parke, Davis & Co.

MENTHOL CONES
Maw, S., Son & Sons

MERCURIALS
Hopkins & Sons, Ltd.
May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

METEOROLOGICAL SETS
Darton, F., & Co.

METHYLATED SPIRIT
Burrough, J., Ltd.
Preston & Liverpool Dist. Dist.
Randall & Son, Ltd.

MILK APPARATUS
Zimmermann, C., & Co.

MILK BYPRODUCTS
Casein, Ltd.

MINERAL WATERS AND SALTS
Apollinaris Co., Ltd.
British Drug Houses, Ltd.
Hughes, E. Griffiths
Ingram & Royle, Ltd.
Vichy (State Springs)

NAPHTHAS
Burt, Boulton & Haywood

NASAL DOUCHES
Taylor, F. H., & Sons

OILS, ESSENTIAL
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chem. Co.
Baiss Bros. & Stevenson
Boake (A.), Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Chris, Antoine
Cresp-Martinenq
Evans Sons Lescher & Webb, Ltd.
Holzmuller & Schuidt
Horner & Sons
Jakson, J., & Co.
Lautier Fils
Lhermine & Cie.
London Essence Co.
Matthew, Jesse
Muhlethaler, Th., Ltd.
Pasquale, S. F. de, & Fratelli
Poppelreuter, W.
Ransom, W., & Son
Roure-Bertrand fils
Sachsse, E., & Co.
Schimmel & Co.
Schmoller & Bompard
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Todd, A. M., Co.
Wright, Layman & Umney
Zimmermann, A. & M.

OILS, FATTY, ETC.
Allen, Stafford, & Sons, Ltd.
Cresp-Martinenq
Price's Patent Candle Co.
Smith, B. A., & Co.

OILS, MINERAL
Price's Patent Candle Co.
Wright, Layman & Umney

OINTMENTS
Blackie, R.
Chemists' Co-operative Wholesale
Oldfield, Pattinson & Co.

OPTICAL GOODS
Betwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Nitsche & Gunther
Raphael's, Ltd.

OPTICAL INSTRUCTION
British Optical Institute

OTTO OF ROSE
Bontcheff & Kidoff
Pappazoglou, D.
Reitmeyer & Co. (synthetic)
Seraphimoff, S., & Co.
Shipkoff & Co.

PASTILLES
Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Baiss Bros. & Stevenson
Burroughs Wellcome & Co.
Denoual, J., & Co.
Evans Sons Lescher & Webb
Warrick Bros.

PACKED GOODS
See WHOLESALE)

PALATINOIDS
Oppenheimer, Sons & Co.

PATENT AGENT
Barker, R. W.

PERFUME MATERIALS
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Compagnie Morana
Cresp-Martinenq
Lautier Fils
Mühlethaler, Th., Ltd.
Murray, O., & Co., Ltd.
Schimmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co.
Treatt, R. C., & Co.
Zimmermann, C., & Co.

PERFUMES
Allen & Hanburys, Ltd.
Barclay & Sons, Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Chuit, Naef & Co.
Cresp-Martinenq
Dralle, Georg.
Erasmic Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
McCracken, J. & R.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Quelch, H. C., & Co.
Southall Bros. & Barclay
Spencer, J., Son & Co.
To-Kalon Mfg. Co.
Warrick Bros.
West, T.
Yardley & Co., Ltd.

PESSARIES
Burge, Warren & Ridgley
Rendell, W. J.

PETROLEUM EMULSION
British Drug Houses, Ltd.

PETROLEUM JELLY
Chesebrough Mfg. Co.

PHOTO. CHEMICALS
Boehringer, C. F., & Sohne
Burroughs Wellcome & Co.
Lockyer, J. E.
Merck, E.

PHOTO. GOODS
Barclay & Sons, Ltd.
Darton, F., & Co.
Evans Sons Lescher & Webb
Halifax Photographic Co.
Ilford, Ltd.
Lennon, Ltd.
May, Roberts & Co.
Murdoch, John, & Co.
Newbery, F., & Sons, Ltd.

PHOTO. ENLARGERS, PRINTERS, &c.
Express Developing Co.
Halifax Photographic Co.

PILL MAKERS
Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Evans Sons Lescher & Webb, Ltd.
Hewlett, C. J., & Son
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Pill, Tablet, & Capsule Alliance
Southall Bros. & Barclay
Standard Tablet & Pill Co.
Wand Mfg. Co.
Warner, W. R., & Co.
Woolley, J., Sons & Co., Ltd.

PLASTERS
Allcock Mfg. Co.
Berliner, Arthur
Beiersdorf, P., & Co.
Dalmas, A. de St., & Co.
Leslies, Ltd.
Maw, S., Son & Sons
Solport Bros.

POLISHES (VARIOUS)
Bradley & Bourdas
Judson, D. N., & Son
Oakey, J., & Son, Ltd.

PROPRIETARY ARTICLES
American Drug Stores
Anglo-American Drug Co.
Anglo-American Phar. Co., Ltd.
Ashton & Parsons, Ltd.
Atkinson & Barker
Barclay & Sons, Ltd.
Battle, Son & Maltby
Beecham, T.
Beiersdorf, P., & Co.
Box, W. H.
British Drug Houses, Ltd.
Capsuloids (1909), Ltd.
Cardinal Mnfg. Co., Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Congreve, G. T.
Cox, A. H., & Co., Ltd.
Curry, Henry
Daggett & Ramsdell
Daisy, Ltd.
Davenport, J. T., Ltd.
Day & Sons (Crewe), Ltd.
Day, Son & Hewitt
Denoual, J., & Co.
Edwards, W., & Son
Elliman, Sons & Co.
Evans Sons Lescher & Webb
Faulding, F. H., & Co.
Fellows' Syrup
Fennings, Alfred
Ferris & Co.
Fulford, C. E., Ltd.
Giles, H. G., & Co.
Goodall, Backhouse & Co.
Grapelax, Ltd.
Greeff, R. W., & Co.
Gray's Tonic Co.
Heala Manufacturing Co.
Henry, T. & W.
Hovenden, R., & Sons, Ltd.
Hughes, E. Griffiths
Ichthyol Co.
International Chemical Co.
Iron-Ox Rem. Co., Ltd.
Kay Bros., Ltd.
Kutnow, S., & Co., Ltd.
Lalor's, Dr., Phosphodyne
Lambert Pharmacal Co.
Lofthouse & Saltmer
Lorimer & Co., Ltd.
May, Roberts & Co.
Menley & James, Ltd.
Miol Manufacturing Co.
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Owbridge, W. T., Ltd.
Pedezy Co.
Powell, Thomas, Ltd.
Resinol Chemical Co.
Richards, J. M., & Sons
Rubwel Co.
Sangers'
Savaresse's Capsules (Evans)
Schimmel & Co.
Scott & Bowne, Ltd.
Squire & Sons
Standard Tablet & Pill Co.
Stedman's Teething Powders
Thompson & Capper
To-Kalon Mfg. Co.
Tunbridge & Wright
Wilcox, Jozeau & Co.
Zotos, Ltd.
See also DENTIFRICES and TOILET ARTICLES

PRINTERS
Dudley & Co.
Ford, Shapland & Co.
Harrison & Waide
Smith, W. H., & Son
Townsend, J., & Sons

PULVELLÆ
Warrick Bros.

PULVERETTES
Oppenheimer, Son & Co., Ltd.

PUMPS
Berkefeld Filter Co., Ltd.

QUININE AND SALTS
Boehringer, C. F., & Sohne
Howards & Sons, Ltd.

RAZORS
Apto-Strop Safety Razor Co.
Hovenden, R., & Sons, Ltd.

RENNET
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

RESINS AND RESINOIDS
Allen, S., & Sons, Ltd.
Allen & Hanburys, Ltd.
Morson, T., & Son
Ransom, W., & Son
Smith, T. & H., Ltd.

RESPIRATORS
Zimmer & Co.

RUBBER GOODS
Davol Rubber Co
Burge, Warren & Ridgley, Ltd.
Evans Sons Lescher & Webb, Ltd.
Fecher, M. J.
Galen Mfg. Co.
Haywood, J. H.
Hovenden, R., & Sons, Ltd.
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Warne, W., & Co., Ltd.

SACCHARIN
Saccharin Corporation, Ltd.

SALICIN
Macfarlan, J. F., & Co.
Smith, T. & H., Ltd.

SALICYLATES
Bayer Co., Ltd.

SAMPLE CASES
Keane, Thomas

SANTONIN
Smith, B. A., & Co.

SAPONIN
Field, C. W.
Schamer, Dr. R.

SAUCES
Goodall, Backhouse & Co.

SCALE PREPARATIONS
Morson, T., & Son

SCRUBBERS
Langer's, H., Successors

SEA SALT
Tidman & Son, Ltd.

SEA-SICKNESS REMEDY
Zotos, Ltd.

SELTZOGENES
Aerators, Ltd.

SERUMS AND ANTITOXINS
Allen & Hanburys, Ltd.
Evans Sons Lescher & Webb
Parke, Davis & Co.
Schimmel & Co.
Wilcox, Jozeau & Co.

SHEEP-DIPS
Burt, Boulton & Haywood
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.

SHOP-FITTING
Ayrton-Graham, Ltd.
Bowling & Son
Cleworth, J.
Evans Sons Lescher & Webb, Ltd.
Josephs, P., & Son
Maw, S., Son & Sons
Mills, H.
Parnall & Sons, Ltd.
Rudduck & Co.
Sangers'
Southall Bros. & Barclay, Ltd.

SOAP MATERIALS
Chiris, Antoine

SOAPS
Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Chesebrough Mfg. Co.
Cook, E., & Co., Ltd.
Erasmic Co., Ltd.
Hull Oil Mfg. Co., Ltd.
Lescol Perfumery Co.
Oakey, J., & Son, Ltd.
Pears, A. & F., Ltd.
Price's Patent Candle Co.
Richards, J. M., & Sons
Shaw, Henry & Co.
Wright, Layman & Umney
Yardley & Co., Ltd.

SOAPS, MEDICATED
Armour & Co., Ltd.
Bronnley, H., & Co., Ltd.
Calvert, F. C., & Co.
Faulding, F. H., & Co.
Lambert Pharm. Co.
Wright, Layman & Umney

SODA FOUNTAINS
British Automatic Aerators, Ltd.

SODIUM BICARBONATE
Brunner, Mond & Co., Ltd.
Howards & Sons, Ltd.
Mumford, G. S.

SOOTHERS
Schutze, F., & Co.
Taylor, F. H., & Sons

SPARKLETS
Aerators, Ltd.

SPECTACLES
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Günther
Raphael's, Ltd.

SPHYGMOMETERS
Hicks, J. J.

SPIRIT OF WINE
Burrough, J., Ltd.
Preston's Liverpool Distillery

SPITTING-FLASKS
Maw, S., Son & Sons

SPONGE BAGS
Maw, S., Son & Sons
Schutze, F., & Co.
Toogood, W., Ltd.

SPONGES
Cresswell Bros. & Schmitz
Interntl. Sponge Importers
Kent, G. B., & Sons, Ltd.
Maw, S., Son & Sons
Sangers'

SPONGIO-PILINE
Whitehead, R. R., & Bros.

SPRAYERS
Corry & Co., Ltd.

SPRAYS
Burge, Warren & Ridgley, Ltd.
Cook, Alfred, & Co.
Davol Rubber Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Newbery, F., & Sons, Ltd.
Parke, Davis & Co.

STARCH
Mumford, G. S., & Sons

STOPPERS
Fletcher, Fletcher & Co.
Stipendum Stopper Co.

STOVES (HEATING)
Clark, S., & Co.

SUPPOSITORIES
Cox, Arthur H., & Co.

SURGICAL APPLIANCES
Allen & Hanburys, Ltd.
Bailey, W. H., & Son
Burroughs Wellcome & Co.
Maw, S., Son & Sons
Quelch, H. C., & Co.
Wood, Vincent
Warne, W., & Co., Ltd.

SURGICAL DRESSINGS
Beiersdorf, P., & Co.
Berliner, Arthur
Burroughs Wellcome & Co.
Dalmas, A. de St., & Co.
Galen Mfg. Co., Ltd.
Gimber, W., & Son
Haynes, G., & Co.
Howison & Co., Ltd.
Jackson, Röhrs, & Co.
Leslies, Ltd.
Liverpool Lint Co
Macfarlan, J. F., & Co.
Maw, S., Son & Sons
Newsome, C.
Robinson & Sons, Ltd
Southall Bros. & Barclay
Vernon & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.
Wright, Turner & Son, Ltd.

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Schutze, F., & Co.

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Bush, W. J., & Co., Ltd.
Chuit, Naef & Co.
Compagnie Morana
Murray, O., & Co., Ltd.
Reitmeyer & Co.

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Boehringer, C. F., & Sohne
Boehringer, C. H., Sohn
Hoffmann-La Roche, Ltd.
Reitmeyer & Co.

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Aerators, Ltd.
Barnett & Foster
Breffit, E., & Co., Ltd.
Camwal, Ltd.
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SYRINGE CASES
May, Roberts & Co.

SYRUPS, FRUIT
Idris & Co., Ltd.

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Squire & Sons

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Ayrton, Saunders & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Duncan, Flockhart & Co.
Evans Sons Lescher & Webb
Howards & Sons, Ltd.
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Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Pill, Tablet, & Capsule Alliance
Potter & Clarke
Standard Tablet & Pill Co.
Thompson & Capper
Wand Manufacturing Co.
Warner, W. R. (Newbery)

TABLOID PRODUCTS
Burroughs Wellcome & Co.

TARTARIC ACID
British Drug Houses, Ltd.
Boehringer, C. H., Sohn

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Jeyes' Sanitary Compounds Co., Ltd.

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Huntley, Boorne & Stevens

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Singleton & Cole, Ltd.

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Newbery, F., & Sons, Ltd.
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Blackie, R.
Breidenbach & Co.
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Cook, E., & Co., Ltd.
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Daisy, Ltd.
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Erasmic Co., Ltd.
Eucryl, Ltd.
Harker, Stagg & Morgan
Hovenden, R., & Sons, Ltd.
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Lloyd, A. S. (Hovenden)
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Newbery, F., & Sons, Ltd.
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Papier Poudré, Ltd.
Pharmazeutische - Industrie Gesellschaft (Offenbach).
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Reuter, R. J.
Richards, J. M., & Sons, Ltd.
Rowland, A., & Sons
Sangers'
Sanitas Co., Ltd.
Shaw, Henry & Co.
Standard Tablet & Pill Co.
To-Kalon Mnfg. Co.
Toogood, W., Ltd.
Velvix Toilet Co.
Woolley, J., Sons & Co., Ltd.

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Stevens, P. A.

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Ford, Shapland & Co.

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Haywood, J. H.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

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Saunders'

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Lumley, L., & Co., Ltd.

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Brett & Co.
Fryer, Cooper & Co.
Orridge & Co.
Tomlinson, F., & Son

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Danysz Virus, Ltd.
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Howarth & Fair
Kay Bros., Ltd.
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Ellman, Sons & Co.
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Lloyd, T. H., & Co.
Tomlinson & Hayward, Ltd.
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Wand Mfg. Co.
Wilson Vet. Mnfg. Co.
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Grimble & Co.

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Robinson, B., & Co., Ltd.

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Ayrton, Saunders & Co.
Bass Bros. & Stevenson, Ltd.
Bell, John, Hills & Lewis, Ltd.
Blackie, R.
British Drug Houses, Ltd.
Burroughs Wellcome & Co.
Chemists' Co-operative Wholesale
Evans Sons Lescher & Webb
Ferris & Co.
Goodall, Backhouse & Co.
Harker, Stagg & Morgan
Hewlett, C. J., & Son
Horner & Sons
Lennon, Ltd.
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Raines & Co.
Sankyo & Co.
Smith, Sanistreet & C
Southall Bros. and Barclay
Tidman & Son, Ltd.
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Willows, Francis B. & F.
Woolley, J., Sons & Co.
Woolleys, Ltd.
Wright, Layman & Umney

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Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

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Burrough, J., Ltd.
Coleman & Co., Ltd
Fletcher, Fletcher & Co. Ltd.

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Bass Bros. & Stevenson
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SPECIAL FLUID
DISINFECTANT

The Special "Ialine" Fluid has been submitted to H.M. OFFICE OF WORKS, and APPROVED AS A SATISFACTORY DISINFECTANT, after being tested by the special method included in the Official scheme of examination.

MANUFACTURERS OF VARIOUS DISINFECTANT FLUIDS WITH GUARANTEED CO-EFFICIENCIES UP TO 17.0 (B. TYPHOSUS TEST, RIDEAL-WALKER METHOD).

LIQUID SHEEP DIP

Approved for Sheep Scab by the BOARD OF AGRICULTURE AND FISHERIES, and DEPARTMENT OF AGRICULTURE AND TECHNICAL INSTRUCTION FOR IRELAND, in the proportion of One Gallon of Dip to Seventy Gallons of Water.

WEED KILLER. SULPHUR CANDLES. LIQUID SANITARY SOAP. NAPHTHALINE, in Various Forms. FORMALDEHYDE SOLUTION 40%, and TABLETS. PINE SANITARY FLUIDS, POWDERS, SOLUBLE BLOCKS, &c., &c., &c.

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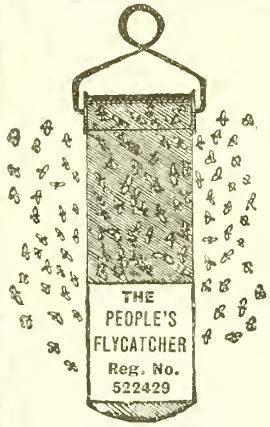

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THE PEOPLE'S FLYCATCHER.

Started late last season, nevertheless became THE Selling Flycatcher.

NO DRYING UP.

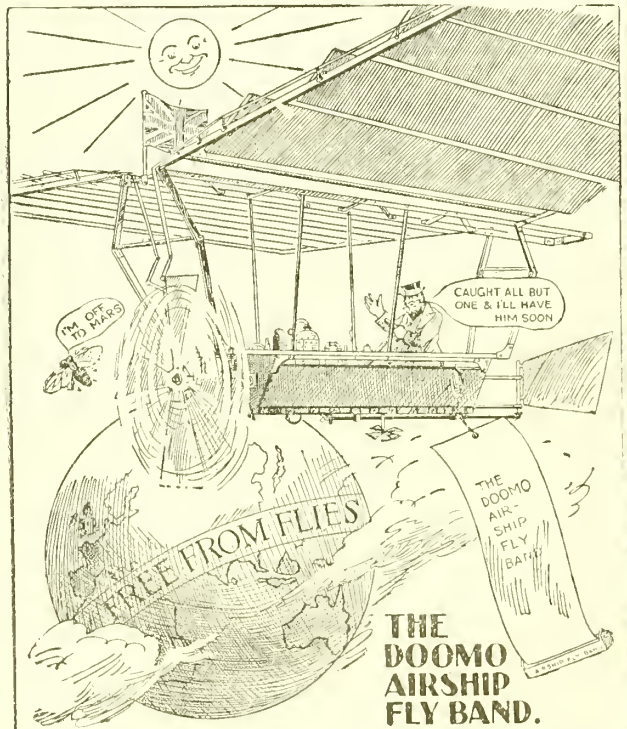
See what a Leek customer says:—

"Please forward:—
1 gross "People's Fly Catcher." It's a nervous time introducing a new article. Last year we stocked three kinds of Flycatcher. This year we are only stocking yours. They are beginning to catch on. Customers are coming again for them, and all speak very highly of them when we ask them how they liked them. To-day a country woman said the one she had last week had caught hundreds of Flies, and she had two more.
Postal order 7/- enclosed." Dated June 15th, 1909.

Ask for Free sample and quotation from patentee:

C. FROWEIN, 43 BASINGHALL STREET, LONDON, E.C.

P.S.—It will pay you to see my sample before ordering elsewhere.



THE DOOMO AIRSHIP FLY BAND.

A wide band sticky on both sides, unrolling like a window blind. Will catch ten times more flies than an ordinary tape. Being sticky on both sides, it has a catching surface equal to a fly paper.

6s. 6d. gross post paid on receipt of P.O.

Jno. H. Smith & Co.,
Newark-on-Trent.

PROPRIETORS OF FLYODOOMO, DOOMOTAPE, &c.
TELEGRAMS: "SMITH, CHEMIST, NEWARK"

FLYODOOMO

sticks to its reputation, and flies keep up their reputation of sticking to

FLYODOOMO

Per Gross **5/-** Carriage Paid.

The old favourite.
Always good stock.

JNO. H. SMITH & CO.
Doomo Works,
NEWARK-ON-TRENT.

An English-made sticky Flypaper, buff non-transparent or transparent, equal in quality to the best on the market, but better in appearance and cheaper—viz. 14/- for 1000 sheets 7¾ × 9 or 500 sheets 15¼ × 9. In addition, as a Bonus for a trial order

Agents wanted.

250 SHEETS I GIVE AWAY VALUE 10/5

Travellers wanted.

Sold at 1d. the double sheet.
If your Wholesale supplier cannot supply you send me his name, 14/- and 1/- for carriage, and I send you 1250 sheets, 20 cartons, 1 box, 4 showcards; or 12 in one envelope, 103 envelopes in one box.
All English Work. **Flykatcho**, West Street Warehouse, Croydon.

The 'VAMPIRE' and the 'FLYSAC.'

Send for samples. They carry our argument. Both annihilate flies, and both are hermetically sealed. With them there is no leakage, no risk, and no delay. The "VAMPIRE" sells on account of the novelty of its construction, the "FLYSAC" on account of its economy in use.

Prompt Deliveries. Big Profits. Quick Returns.

SOLE MAKERS:

KAY BROS. Ltd., STOCKPORT.

30 years' experience in the manufacture of Bird-limes and Flygums.

TUNBRIDGE & WRIGHT'S
FLY CEMETERY.

The **ORIGINAL** and by far the **BEST** Sticky Fly Paper in the market.

Gives a Profit of **140** per cent.

WE HAVE REDUCED THE PRICE TO 5/- PER GROSS NET CASH WITH ORDER AND CARRIAGE PAID

TUNBRIDGE & WRIGHT'S
CEMETERY FLY TAPE.

To meet the demand for a Fly Tape (which under some conditions is more convenient than a Fly Paper), we have produced the Cemetery Fly Tape, which is strongly made and most efficacious.

6/6 per gross net cash with order, carriage paid.

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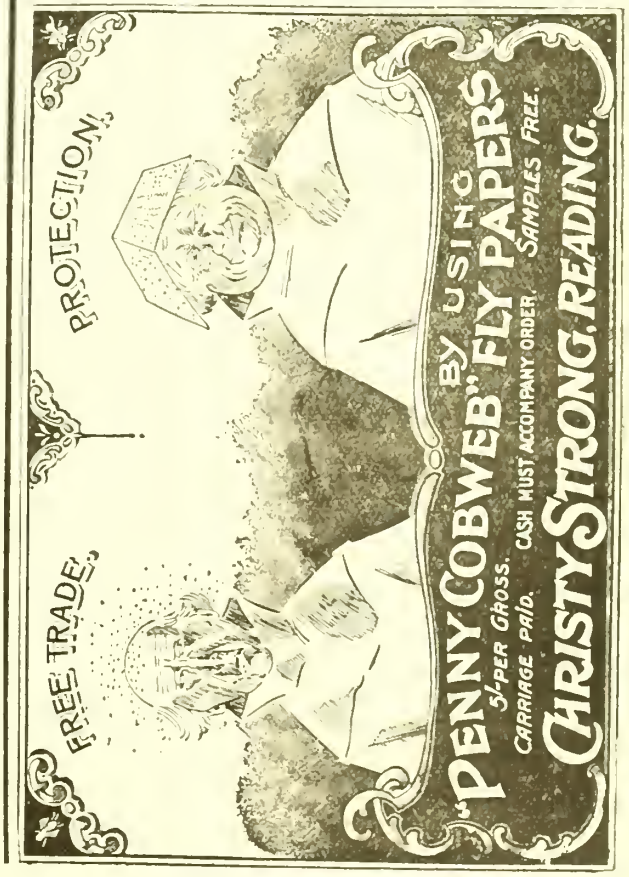

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LIXOL

FLY CATCHERS.

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The Latest and Best.

Send for Samples.

They Will Convince You.

A Neat and Handy Contrivance.

Easy to Open.

Pull the String, That's All!

Sole Makers:

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TANGLEFOOT SEALED STICKY FLY PAPER.

Send us **5/-** we send you our parcel post packet of 150 sheets.

Send us **15/-** and 1/- for carriage, we send you a case of 500 sheets.

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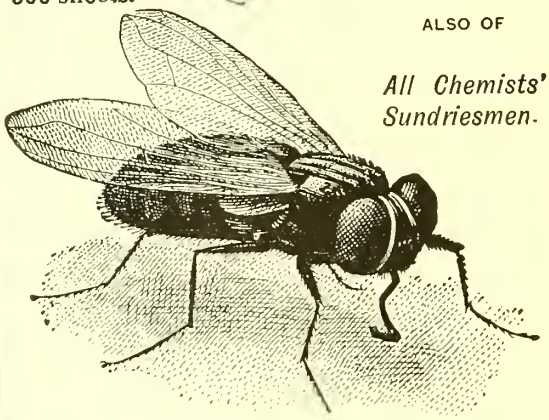

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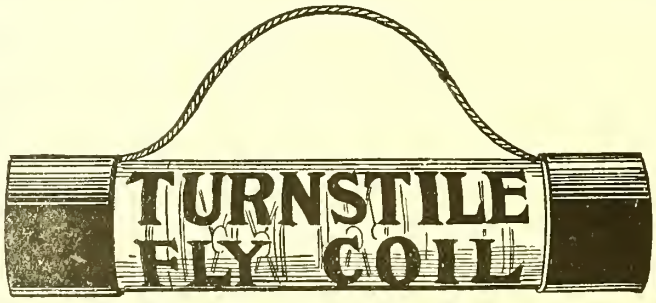
6 GREAT TURNSTILE, HIGH HOLBORN, LONDON, W.C. Telephone No. 65 City.

SWIFT FLY BAND

The Cleanest & Most Effective. Specially suitable for Export.

6/- per gross.



Very Effective, Clean, and Easily opened.

6/6 per gross.

The "SWALLOW" STICKY FLY PAPER.

5/- per gross.

CHEMICAL FLY PAPERS.

Guaranteed to be thoroughly effectual. Printed with own Name and Address, and advertisements on the four sides.

1,000 **15/-**; 2,000 @ **14/-**; 3,000 @ **13/-**; 5,000 @ **12/-**; 10,000 @ **11/-**.

ILLUSTRATED COUNTER BILLS. CABINET PAPER. FOLDING CARDBOARD BOXES. TOILET ROLLS. POSTERS. SHOWCARDS. WINDOW BILLS.

Labels (of every description), **Price Lists, Pamphlets, Circulars, Billheads, Cards, Memorandums, Prescription Envelopes,** and all kinds of PRINTING and Stationery required by Chemists, at most moderate Prices.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, JULY 10, 1909.

PUBLISHER'S NOTICE TO ADVERTISERS.

Advertisers are desired to take note that the advertisements of Businesses for Disposal and Wanted, Situations Open and Required, Exchange Column, &c., belong to the **PREPAID CLASS, and to ensure the due insertion of the announcements the remittances must accompany the instructions.** A great amount of unnecessary correspondence is occasioned by the non-observance of this regulation, and the Publisher hopes that the advertisers will assist in the quick preparation and despatch of the Supplement by strictly observing this rule. Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week.

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—SLOANE SQUARE (near).—Old-established Business; Retail and Dispensing; position unique; returns average £1,273, which produce a *net income* of £434; intending investors with £1,050 at command will find this a sound investment.

2.—KING'S CROSS STATION (few miles out).—Modern Pharmacy; established by vendor; returns between £1,900 and £2,000 yearly; well-fitted shop; stock above the average; excellent house; private entrance; price £1,200 or valuation; terms entertained.

3.—LONDON, S.W. (main thoroughfare).—Old-established Business; held by vendor over 25 years; returns between £1,200 and £1,300 per annum; *net profit* £439; full investigation invited; price £1,000.

4.—THAMES VALLEY.—Retail and Dispensing Business; all good middle-class trading; returns £700; formerly between £900 and £1,000; scope for development; attractive shop; good residence; terms, goodwill, £50, stock and fixtures at valuation.

5.—CITY (near).—Established Business: Retail and Dispensing; returns £20 weekly; *gross profit* 50 *per cent.*; the shop is well fitted in mahogany; no immediate opposition; price £700.

6.—LONDON, S.W.—General Retail and Prescribing Business; returns last year £720; *net profit one-third*; good house; rent £60; held on lease; price £350.

7.—LEWISHAM.—Neglected Business; main thoroughfare; returns £12 weekly; scope for large development; illness cause of sale; to effect a speedy transfer less than the value of stock and fixtures will be accepted.

8.—HOME COUNTY.—Old-established Business, capitally situated in the market-place; returns between £1,200 and £1,300 yearly; *gross profit* £590; comfortable house and garden; rent £45; new lease; price £1,000; illness cause of sale.

9.—CAMBRIDGE (within easy distance of).—Mixed Business; entirely unopposed; returns £1,115; *net profit* £250; double-fronted shop; good residence; garden; rent £35; price £450; part may remain, say £150.

10.—KENT (Market Town).—Old-established Business; excellent position; returns under manager £600; good opening for extended trade; roomy house, vendor's own property; offer wanted.

11.—BIRMINGHAM (near).—Death Vacancy.—High-class Retail, Dispensing, Optical, and Photographic trade; returns £800; *gross profit about half*; attractive shop, double fronted; price £350.

12.—MIDLANDS.—Old-established Business; Retail and Dispensing, with excellent sale for own Proprietaries; the shop has double front, and is situate in the centre of town; roomy house; garden and warehouse; price £750.

13.—SURREY (Charming Locality).—Old established Business; Retail and Dispensing; returns exceed £1,000 per annum; *net profit* £360; vendor retiring; reasonable offer considered.

14.—DERBYSHIRE.—High-class Retail and Dispensing Business, held by vendor many years; returns under assistant £700 yearly; attractive shop, double fronted; large residence; held on lease; valuation terms entertained.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

CHEMISTS' VALUERS AND TRANSFER AGENTS,

Telegrams: "Brett Leicester."] **8 WEST STREET, LEICESTER.** Telephone: 160 Y

VALUATIONS have always had our special and personal attention, and an experience of thirty years is at your disposal. **AGENCY.**—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS TO THE ENTIRE DRUG TRADE.

YORKS.—General, Light Retail, Dispensing, and Prescribing; store prices; in large manufacturing town; good shop; fine position; returns £1,083; price £650; can be greatly increased.

MIDLANDS.—A fine opportunity to acquire good profitable concern; General, Retail, Oils, Paints, Drysaltery, etc.; death vacancy; returns, etc., on application; price valuation (about £1,100).

MIDDLESEX.—Light General Retail; under unqualified Manager; nice house and shop; low rent; returns £516 and increasing; net profit £150; valuation (about £250).

SOUTH COAST.—Good General Retail Drug Stores; returning £1,200, as branch; net profit £290; price £60 and valuation (about £500); under principal capable of being greatly increased; an excellent opportunity.

CAMBS.—Unopposed Mixed General Country Retail and Agricultural; exceptionally good shop, house, and premises; old-established; low rent; returns £1,100; profitable; to effect a quick sale will accept the low price of £450; chance of a lifetime.

LANCS.—High-class General Retail, good Prescribing, and excellent Proprietaries; in fine position of popular seaside resort; old-established; returns over £1,000; price £100 and stock and fixtures at valuation.

YORKS.—Good Country Mixed Retail, Prescribing, and Photo; excellent shop and premises; garden; old established; returns nearly £700; profitable; price only £230; no qualified opposition.

YORKS.—Very good Mixed Country Retail, which can easily be greatly increased by qualified man; good shop and house; returns over £520; price £250; grand opportunity.

WORCESTERSHIRE.—Splendid Light Retail, with Photo and very valuable Proprietaries, in good business district; good shop, and nicely fitted; old established; returns £500; price £350, or valuation; this is a fine chance to acquire a real genuine concern.

DERBYSHIRE.—Good-class Light Retail and Dispensing in inland health resort; now under manager, and doing £750 per annum; capable of being increased very quickly to £1,000; valuation, about £700; an excellent concern.

ESSEX.—Very nice Retail, Dispensing, and Prescribing; grand opening for Photo and Optics; good Proprietaries; nice, well-fitted shop and convenient house; low rent; returns nearly £500; excellent profits; price £260; splendid concern and very little opposition; only wants seeing; healthy district.

LONDON, N.—Dispensing, Prescribing, and Light Retail, Photo and good Specialities; comfortable house and garden; returns £600; price £250; very profitable; stock, etc., worth £350; a bargain.

We have still several clients unsuited, and we can speedily sell businesses making a net profit of £300 upwards, without any publicity whatever. Midlands and the North preferred.

MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to Purchasers.)

1.—HOME COUNTY.—First-class Retail and Dispensing Business, in best position of growing town; returns approach £1,300; net profit £434; handsomely fitted shop, fully stocked; price about £1,200, or valuation terms arranged; strongly recommended.

2.—MIDDLESEX (few miles out).—Good-class Light Retail and Dispensing Business, in splendid position; returns over £1,900; good profits; elegantly fitted Pharmacy; heavily stocked; price £1,250; personally inspected.

3.—KENT (near Town).—Good-class Retail and Dispensing Business; returns £1,000, increasing; net profit £320; handsomely-fitted Pharmacy, fully stocked; price £760; worth attention.

4.—SOUTH COAST.—Good-class Retail; under manager; returns £1,200; good position; price only £500, or £60 and valuation.

5.—SUSSEX (Market Town).—Good-class Country Retail; returns about £850; very good position; commodious premises; price £500.

6.—OXFORDSHIRE.—Good-class Light Retail; pleasantly situated, growing town; returns £560; net profit £200; good house; large garden; price £520, little more than valuation.

7.—SURREY.—Unopposed good-class Village Business; returns over £500 under manager; low rent; well stocked; price £250.

8.—LONDON, S.W.—Good-class Suburban Retail; returns about £1,350; net profit over £400; price £950.

9.—LONDON, S.E.—High-class suburban Retail; returns £950; handsome shop, fully stocked; price £800; strongly recommended.

10.—LONDON, W.—Light Suburban Retail, neglected; was doing £12 weekly, and can again; low rent; price £160.

11.—DEVON (Market Town).—Old-established good-class Country Retail Business; returns nearly £1,000; excellent profits; large house and garden; attractive shop; stock and fixtures worth over £850; price about £850; £300 can remain.

12.—CHESHIRE (Seaside Resort).—Good-class Retail; excellent position; returns £800; net profit £275; price £450, or near offer.

13.—LANCS. COAST.—High-class Retail and Dispensing; returns nearly £900; excellent position; plenty of scope; price £550.

14.—YORKS (Death Vacancy).—General Mixed Retail Business; neglected; returns over £1,000; price for quick sale about £250.

15.—GLOUCS.—Old-established Light Country Retail; returns nearly £500; net profit about £200; large house and garden; low rent; no opposition; price £400.

16.—SOUTH WALES.—General Light Retail; returns about £650; practically unopposed; low rent; price £550; £300 can remain.

17.—LIVERPOOL.—Profitable Light Retail and Prescribing; returns under manager £650; good position; price £275.

18.—NOTTS.—Profitable Retail and Prescribing; in healthy locality; returns £250, increasing; good house; low rent; price £160.

19.—LONDON, S.W.—Good-class Retail; no near opposition; returns £677; net profit £200; attractive shop, well stocked; price £400.

20.—CRYSTAL PALACE District.—Good-class Retail and Dispensing; returns £700, increasing; good house, garden, etc.; price £350.

21.—LONDON, N. (busy main road).—Returns over £11 weekly; scope for increase; well-fitted Pharmacy; price £200.

INTENDING VENDORS.

Messrs. BERDOE & FISH have at the present moment several genuine purchasers anxious to secure businesses showing anything from 300*l.* to 600*l.* net profit yearly. Correspondence cordially invited. Strictest privacy guaranteed.

J. G. BERDOE established the firm in 1870, and W. S. FISH was apprenticed to him in 1877.

PARSON C. BAKER

174 VICTORIA ST., LONDON, S.W.

Recommended by—MESSRS. BARRON, HARVEYS & CO
MESSRS. MEGGESON & CO.
MESSRS. BARCLAY & SON, LTD.

Telephone: No. 27 Victoria.

LONDON (West).—Good corner Shop; first-class residential district; an old-established business; death vacancy; large house; £90 (let off £70); well-fitted shop; recommended as very desirable purchase for young man; only £275; large and profitable business, both Retail and Dispensing, can be done immediately.

UNOPPOSED Country Retail in beautiful district; returns £750, at full prices; net profit £300 per annum; excellent house; large garden, etc.; rent £30; price £550.

DEATH Vacancy.—London, S.W.—Handsomely fitted, well-situated Pharmacy, in good thoroughfare; capable of returning £1,600; rent £70; price, value of stock and fixtures only, say about £250.

IN one of the best thoroughfares, London, S.W.—Excellent corner position; returning £800 under manager; good house and well-fitted shop; price, value of stock and fixtures, say £400.

SOUTH COAST.—Excellent position; high-class Dispensing Business, returning from £1,100 to £1,300 at good prices; lock-up shop; £65; very small goodwill and valuation, about £450.

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COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

BUCKS.—Good-class Country Retail, with Gilbey's Wines and Spirits Agency and an old-established, well-known Proprietary; good house (7 rooms) and nice garden; beautiful and healthy neighbourhood; returns £1,100; rent £50; easily worked, single handed; price £600. "Beta" (114/32), Office of this Paper.

CARDIGAN BAY.—To be Sold, at end of season, genuine profitable Business in bracing health resort; returns (1908) £589, with excellent profits; price, valuation of stock and fixtures; bargain; vendor taking over a larger business in another town. "Welsh" (104/15), Office of this Paper.

DORSET.—Good-class Country Business in small market town; old-fashioned prices; very few Patents; no Side-lines or heavy trade; small house and shop; in best position; net profit £300; an exceptional chance for anyone requiring an easily-worked business, as nearest opposition is 10 miles; price £450; no agents. 114/29, Office of this Paper.

EASTERN COUNTRY.—Unopposed good-class Country Business, with large sale of own Proprietaries; nearest Chemist 5 miles; good house, conservatory, outbuildings, with large garden stocked with fruit-trees; spacious covered gateway for empties; rent £21; returns £600; full investigation invited; an appointment brings in £60 yearly; price £600. Apply, "Genuine" (112/35), Office of this Paper.

LONDON Suburb.—High-class Light Retail, Dispensing, and Photographic Business in main thoroughfare; shop handsomely fitted and well stocked; good opening for Optics; price, valuation of stock and fixtures (about £400); fullest investigation invited to genuine buyer; references required; no agents. "Confidential" (74/6), Office of this Paper.

KENT (unopposed, 6 miles).—Large Village Business; Light Retail, Prescribing, with good Proprietary trade; full prices; has done £10 weekly; neglected; good house; large garden, stable, etc.; important railway junction; only bona fide inquirers with £200 need apply; no agents. "Zinc" (116/38), Office of this Paper.

LONDON, S.E.—Good old-established Business in main road of Lewisham; splendid position; rent £50; exceptional opportunity for a good Prescribing Chemist and Dentist; premises now vacant; incoming £50. Apply, 34 Loampit Vale, Lewisham, London, S.E.

LONDON, S.W.—No misrepresentation; books kept; trial invited; genuine Retail, Dispensing, and Photographic; main road; established 10 years; returns £638; net profits £213; shop handsomely fitted in mahogany; well stocked; valuable Proprietaries, Patents £7 monthly; only wants seeing; price £450 (about value of stock and fixtures). 116/9, Office of this Paper.

LONDON, N.—Genuine Business, with excellent connection, for immediate Disposal; in present hands 14 years; returns £650; would quickly improve by introducing modern Store trading; rent moderate, 80 per cent. covered by sub-letting, hence specially suitable for lock-up branch; price £400; cash offer, with stock, fixtures, etc., by valuation considered. Apply, "D. L." (115/37), Office of this Paper.

MANCHESTER.—Old-established and handsomely-fitted Business; corner shop on main thoroughfare; returns for last 3 years about £600; under management and badly neglected; rent £65; part can be let off; excellent house accommodation, with private entrance; must sell quickly; price £525. 116/11, Office of this Paper.

NORTH LONDON.—Genuine Business for Sale; £350; lock-up shop; corner position; trial allowed; average net profit during last year £4 15s. per week. Apply, "P.," 198 Castelnau, Barnes, S.W.

SHIPLEY.—Retail and Prescribing Business; ill-health cause of sale; price about £100; house and shop £25 rent. Apply, J. Naylor, Park Mount Avenue, Baildon, Yorkshire.

AN exceptional opportunity occurs to acquire an old-established Light Retail Business in South of England; proprietor taking partnership in a larger business will dispose on advantageous terms to effect speedy sale; every investigation courted; net profit £340; price about £820. 115/12, Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

CHARMING locality near Town; Retail, Dispensing; good middle-class trade; double-fronted, fitted electric light; 10-roomed house; shop well stocked, nicely fitted; scope for development; goodwill, stock, and fixtures at valuation. "Flower" (116/17), Office of this Paper.

CHEMIST and Wine Business for Sale owing to death of proprietor; established 20 years; good Family Drug Business; splendid Business for an energetic person. For further particulars apply to A. Hall, 123 Chillingham Road, Heaton, Newcastle-on-Tyne.

CHEMIST and Optician.—Through death of owner executors wish to Dispose of the above Business; situate best position in fashionable Midland health resort; modern shop; new window and fittings; must be sold quickly at valuation; no goodwill. Apply, Dewhurst, Queen's Chambers, Preston.

CHEMIST'S Business, established over 40 years, for immediate Disposal; near King's Cross; takings over £300 a year; could be greatly increased; cause of selling ill-health; lease can be had; rent £56; a chance seldom to obtain. "Advertiser," 61 Salcott Road, Northcote Road, Clapham Junction.

EXCEPTIONAL Opportunities.—Thames Valley.—For Sale, Chemist's and Druggist's Business, doing over £600 per annum; low rent and in rapidly rising district; also a genuine increasing London Business. Call or write to H. Whyte & Co. (Medical Transfer Agents), 10 Duke Street, Adelphi, London. Telephone No. 10680 Central.

FULL-PRICE Cash Retail; near large railway terminus; showing net profit over £400 per annum; full particulars to purchasers having command of £1,500. Address, "Chemist," 13 Broad Street Place, E.C.

GENUINE, sound, old-established Business; in one of the busiest thoroughfares in Bristol; price £150; good Prescribing, with several popular Proprietaries; working-class district; low rental; owner would take £110 cash and £40 by easy instalments; speedy sale required for health reasons. 118/40, Office of this Paper.

HEALTH and pleasure resort, Lancs; exceptional opportunity; high-class modern Light Retail and Dispensing Business; splendidly furnished and well stocked; valuable Proprietaries (one with registered name could be pushed to make a fortune); turnover £880; vendor requires capital to negotiate patent; bargain for prompt settlement. 117/3, Office of this Paper.

HEALTH Resort, county town and yachting station (North Wales); high-class old-established Dispensing, Optical, and Retail; excellent and annually increasing connection; only one opposition in town (unqualified) and for a distance of several miles; owner leaving country; low price to dispose before summer season; good premises; low rent. "Alpha" (116/29), Office of this Paper.

IMMEDIATE Disposal of a profitable Counter, Prescribing, and Photo Business, which owner, who has to go abroad through illness of wife, will sacrifice at a very low figure; net profit £250; well stocked; lease; moderate rent; good house; any inquiries and full investigation invited. 117/29, Office of this Paper.

NEGLECTED Light Retail; 7 miles from Manchester; established 1856; no opposition; 9,000 inhabitants in district, rapidly increasing; low rent; takings about £100 at present, improving; good stock Chemical and Pharmaceutical Apparatus; £100 or nearest offer. Armitage, 13 Commercial Brow, Newton, Hyde.

Re BLOOMER FLETCHER & CO., LTD.

BRIERLEY HILL, STAFFS.

THE Receiver is prepared to negotiate for the Sale of this Retail Business, established 100 years, occupying the very best position in the town; double-fronted shop, splendidly fitted, with an average annual turnover of £2,500; immediate possession. Apply, A. E. Percy, Chartered Accountant, Dudley.

SMART little Seaside Business in main street of S.E. Coast health resort; season just commencing; increasing returns; few Patents; exceptional profits; splendid opportunity for up-to-date man; ill-health cause of sale; low price (£450) to quick purchaser. Particulars from "Chemicus" (114/17), Office of this Paper.

TO Chemists Commencing Business or Opening Branches.—Complete Stock and Fixtures of splendidly appointed and well-stocked Pharmacy for immediate Disposal; offer wanted for the whole. "Chemist," Triangle Buildings, New Barnet.

£60.—London, W.—Nice compact little Chemist's Shop; well fitted and stocked; just been opened; no opposition near; have to dispose of same owing to family reasons. Apply, 118/4, Office of this Paper.

£450; old-established Family and Dispensing; good-class neighbourhood; well stocked; solid mahogany fittings; near West-end; own Proprietaries alone averaged last 3 years £350, makes it worth the money; Partnership might be arranged; opening for cutting. "Aspirin" (116/1), Office of this Paper.

BUSINESSES WANTED.

MESSRS. BERDOE & FISH are in immediate want of sound Businesses in all parts of the country, having a large number of bona fide purchasers with cash up to £2,000 waiting to be suited; intending vendors would do well to communicate with us at once. Address, 35 Jewry Street, Fenchurch Street, E.C.

WANTED, Chemist's Business with good house attached, with returns £500 to £1,000 annually; either seaside health resort or market town; or Retail, Dispensing, and Prescribing Business in good locality of large town entertained. Reply fully and lowest price, in confidence, to M. D. Evans, Bryn-Teilo, Treherbert.

WANTED, a good Business; London or suburbs; returns over £500 per annum. Write, giving full details, to "Genuine" (118/29), Office of this Paper.

PREMISES FOR SALE.

TO Chemists (Manufacturing), Etc.—Deptford.—Splendid Business Premises to be Sold, with vacant possession; the valuable leasehold premises, No. 53 Broadway, Deptford, occupying the finest position in the locality, containing basement, lofty shop and upper floors, and capable of sub-division; price £3,500; £350 cash only required, balance by monthly payments, including interest spread over 20 years if desired, and making a total payment much under rental value; lease 44 years unexpired, at a ground rent of £120 per annum; caretaker on premises. For further particulars apply, H. Johnstone, 25 Moorgate Street, E.C.

TO LET.

CRICKLEWOOD BROADWAY.—To Chemists and Druggists.—To Let, commanding Shop premises, with house over, in this important thoroughfare; just built; magnificent opening here for this trade; rent £125 per annum; shop-front and fittings will be arranged for responsible man; advantageous terms offered. Apply, at once, to A. Bretzfelder, Builder, 180 Cricklewood Broadway, N.W.

A SHOP to Let in the North of London where a Chemist's business has been carried on for many years, but owing to the advanced age of the occupier it is for Disposal; it is a capital chance for a small capitalist, as no charge is made for goodwill; rent is low, and free to Michaelmas. All particulars, either personally, of J. Hawes, Sage's, 58-62 Gray's Inn Road, W.C.

EXCEPTIONAL opening for Chemist; attractive new Shop, with first-class living accommodation, occupying choice unopposed position in centre of large growing district, entirely good class and including colleges and high-grade schools; Photographers and Artists' requirements would be excellent Side-lines; rent £38. Phillips, 27 Marlborough Avenue, Reading.

SHOPS; splendid positions; suitable opening for first-class Chemist and Druggist. Full particulars, Leeder, 96 High Road, Chiswick, W.

TO Chemists.—Excellent opening; 191 Queen's Road, Peckham; main road; just outside station; rent moderate; fixtures if required; key to view 1 York Terrace (adjoining). Agents, C. Rawley Cross & Co., Ilchester House, Uxbridge Road Station, W.

AGENCIES.

INDIA and Burmah.—Firms desirous to push trade should apply to advertiser, experienced resident Agent, for exceptional terms. 118/27, Office of this Paper.

TRAVELLER, now visiting and calling upon all the important Drug-houses in Australasia and New Zealand, open to Represent well-known Drug, Perfumery, and Sundries houses; part expenses and commission. "Traveller" (116/33), Office of this Paper.

FOR SALE.

MODERN Shopfittings, including fine wall-cases, mirror-backed; glass shelves, counters, mirrors, dispensing-cases with counters adjusted, several shop-rounds, cut-glass stoppers, pill-machines, etc.; enough to fit 4 good-sized Chemists' shops; to be Sold immediately at great sacrifice; part or whole. Apply, J. Griffiths, 4 The Parade, Watford.

URGENT.—"Cream-Vita" Complexion-soap, "Virami" Disinfectants, "Evicto" Nursery Pomade, "Virx" Antiseptic Healing Ointment (reg.), trade-marks, designs, formulas, ad. ideas, goodwill; genuine; big profit-makers; rapid sellers; the lot £100 cash or offers. Whyte, 107 Donegall Street, Belfast.

APPRENTICESHIPS.

VACANCY for well-educated and gentlemanly youth as Apprentice in old-established Pharmacy in country town; comfortable home. Apply, "S. J. A.," c/o Messrs. Evans Sons Lescher & Co., 60 Bartholomew Close, London.

PARTNERSHIPS.

ADVERTISER, Soap and Perfumery Specialist, with a high-class increasing business, requires the services of a gentleman with capital, who is in a position to introduce business; splendid opening for the right man; replies treated confidentially. Address, "Ambergris" (114/21), Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

RETAIL.

ALDERSHOT.—Wanted, immediately, smart Junior Assistant. State age, experience, and salary required, etc., in first application, Allen & Lloyd, Chemists, Aldershot.

BAKEWELL.—Qualified Assistant wanted; outdoors; no Sunday duty; close 2 o'clock Thursdays. Please state age, height, salary required (outdoors), and references, to E. G. Carrington, Chemist, Bakewell.

BOMBAY.—An Assistant wanted, possessing the Minor qualification, between 25 and 30 years of age; good salary; preference given to applicants having a knowledge of Surgical Instruments and Scientific apparatus; 4 years' agreement would have to be signed. Apply, with photo and full particulars, to "Assistant," c/o Messrs. Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, London, E.C.

BIRMINGHAM.—Qualified Assistant wanted to assist in the Managership; a qualified Dispenser, with a knowledge of Photography desired. Applications made to "D.," c/o Charles L. Moores, 32 Navigation Street, Birmingham.

BOMBAY.—Wanted, qualified Assistant, under 25 years of age; passage P. & O. paid out and home; salary first year £172, second year £192, third year £212 per annum; 3 years' agreement certain. Apply, with photo and copy testimonials, to "R. L.," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

BRADFORD.—Wanted, immediately, an outdoor qualified Assistant; about 23 years of age; reliable Dispenser, good Counterman, and of gentlemanly appearance; part time Dispensing for hospital. State age, salary, and references, F. M. Rimmington & Son, Ltd., Chemists, Bradford.

BRADFORD.—Qualified Manager wanted for branch; middle-class district; permanency; house attached; good berth to suitable man. State age, salary, experiences, and give references to J. Savage & Co., Ltd., Chemists, Bradford.

CAPE TOWN.—Qualified Assistant wanted; under 28 years of age preferred; passage paid out; 3 years' agreement; salary £180 first year, £192 second year, £204 third year (outdoors). Apply, by letter only, "L.," 54 Queen Elizabeth Street, London, S.E.

CHELTENHAM.—Qualified married Assistant wanted, to live at business house; must be accustomed to good-class Dispensing business and have good references. State age, salary required. Address "T. P.," c/o Butcher & Pattison, Cheltenham.

DEAL.—An Improver or Junior wanted, for season only, for Light Retail, Dispensing, and Photographic business; outdoors; easy hours. State salary required and usual particulars (photo to be returned) to E. J. Dobson, Victoria Road, Deal.

FULHAM, S.W.—Wanted, at once, qualified Manager to live on premises. Personal application preferred, but if by letter please state age, salary required, married or single, and latest references to C. Bunker, 30 York Street, Twickenham.

HULL.—Qualified Manager, married preferred, abstainer, to take sole charge of a Branch in working-class district; to live on the premises; rent, rates, and gas free. Apply, with full particulars, F. E. Lambert, 143 Anlaby Road, Hull.

INDIA.—A qualified Assistant wanted; 4 years' agreement; salary £200 first year and additional £20 each year; fare (P. & O. second-class) paid out and home. Apply, with photo and testimonials, to "R. L.," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

LEICESTER.—Wanted, qualified Assistant for quick Store trade; short hours. Send full particulars to "Omega" (114/9), Office of this Paper.

SITUATIONS OPEN *(continued).*

LONDON.—Wanted, qualified Assistant; outdoors; half-holiday weekly. Apply, giving experience, references, age, and salary required, to "Pyro" (114/23), Office of this Paper.

LONDON, N.E.—Junior Assistant, outdoors, for a good-class suburban business; closed on Thursday at 2 o'clock. State age, height, experience, and salary expected to Matthews & Son, Chemists, 722 High Road, Leytonstone, N.E.

LONDON, S.E.—Locum Assistant wanted, from July 16 to July 30, for good-class Dispensing business; must be good Counterman and smart; age about 20. Apply, stating wages required, Richards, 35 Perry Vale, Forest Hill, S.E.

LONDON, W.—Qualified Assistant; outdoors; used to good-class Store business and Photography; whole day off weekly; state experience and salary required. Address, 118/1, Office of this Paper.

LONDON, W.—Wanted, qualified Manager, at once; energetic, capable; good Salesman and Window-dresser; Extractor preferred; good working-class business; comfortable hours; half-day; alternate Sunday duty (2 hours only); outdoors, but dinner and tea provided; good commission and salary; permanency to the right man. Write or call, Challis, Chemist, Southall.

LONDON, S.E. (about 7 miles out).—Unqualified Assistant wanted immediately; outdoors; permanency to one energetic, experienced, and reliable; no Sunday duty; finish 1 o'clock Thursdays. State salary and full particulars to "Delta" (118/13), Office of this Paper.

LONDON, W.C.—Wanted, Locum for 6 weeks, commencing early in August. Apply, with full particulars, "Manager," c/o R. S. Starkie, 7 and 8 Grand Hotel Buildings, Trafalgar Square, W.C.

LONDON, N.—Assistant wanted; indoors; hours 8.30 till 9.30, Saturday 11; half-day off weekly; must produce good references. Apply, enclosing photo (if convenient), and state full particulars, together with salary expected, Geo. Daniel, 272 High Road, Wood Green, N.

LONDON, S.W.—Gentlemanly Assistant required; accustomed to good-class Counter trade; about 25 years of age; outdoors. Write, stating experience and salary required, 1186, Sell's Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Dispenser wanted, Minor qualification; age about 25 years; hours of work approximately 8.45 A.M. to 6 P.M., Saturdays till 2 P.M.; no Sunday duty; outdoors; 14 days' annual vacation. Write, stating full particulars, 1187, Sell's Advertising Offices, Fleet Street, E.C.

MARGATE.—A competent Assistant, accustomed to good-class Dispensing and Retail, for about 2 months; outdoors. Apply, giving full particulars of experience, age, height, salary expected, and enclose photo (returnable), to D. T. Evans, Farningham Lodge, Margate.

NEAR Liverpool.—Qualified Assistant for Dispensing-counter; must have had good experience, to be able to take charge. Also reliable Counter Assistant; good Salesman and Window-dresser. State salary, references, and all particulars in first letter, "Cassia," c/o Barron, Harveys & Co., Giltspur Street, London, E.C.

OLDHAM.—Wanted, qualified Assistant; outdoors; state age, height, experience, references, and salary required, with photo. Address, 113/1, Office of this Paper.

PARIS.—For leading English Pharmacy, an Assistant of good appearance; age about 25; good home experience essential and Continental desirable; knowledge of French indispensable. Apply, 113/12, Office of this Paper.

PENTRE, GLAM.—Locum required, immediately, for 2 or 3 weeks; one with knowledge of Optics and Dentistry preferred. Apply, with full particulars, to H. W. Jenkins, Chemist, Pentre, Glam.

READING.—Wanted, by August 2, qualified Senior for a small business; knowledge of Photography requisite; easy hours; early closing on Wednesday and no Sunday duty. Apply, stating salary required (indoors), references, and full particulars (photo if possible), to F. Tunbridge, Chemist, Reading.

SHERINGHAM.—Wanted, at once, competent Assistant; indoors; one with knowledge of Photography preferred. Age and full particulars to J. B. Gooch, W. H. Burrell & Co., Sheringham, Norfolk.

SOUTH OF ENGLAND.—Smart, gentlemanly Assistant required; aged 25 to 30; good salary and permanency for suitable man; must possess exemplary character for honesty, sobriety, and ability as a Salesman. Timothy White Co., Ltd., Portsmouth.

SOUTH YORKSHIRE.—A competent Assistant wanted, qualified preferred, for good-class Retail and Dispensing Business; must be a reliable Dispenser; age about 26; outdoors. Apply, enclosing photo and stating age, salary required, and experience to "M.," c/o Barron, Harveys & Co., Giltspur Street, London.

WEST-END.—Assistants (qualified), Senior and Junior, required immediately; indoors; duties shared by three. Letters or personal application to Hooper, Struve & Co., Ltd., 7 Pall Mall East, S.W.

WESTON-SUPER-MARE.—Wanted, about August 4, Assistant for good-class Dispensing and Retail. Apply, enclosing photo if possible, with full particulars, Blackmore, Weston-super-Mare.

YORKSHIRE, WEST RIDING.—Wanted, at once, youth (17 or 18) to look after stock and make himself generally useful; to live in. State references and wages required to Bellwood's Drug Stores, Kippax.

ASSISTANT for high-class Retail and Dispensing; experience of Optics and Photography preferred; good chance for one reading for Optical Examination. If writing state age, height, experience, and salary required, and enclose photo, "Chemist-Optician," 76 High Street, Wimbledon.

ASSISTANT; indoors; outdoors after a short period. Apply, giving full particulars of experience and salary required, to C. A. Maries, Pharmacist, Waterloo, Liverpool.

DISPENSER wanted at once; male; outdoors; some bookkeeping as well as Dispensing; two dispensers kept. Apply, stating age, experience, and references, by July 20, to Messrs. Nance, Whitwell & Riviere, Surgeons, St. Giles' Plain, Norwich.

IMMEDIATELY; Junior (about 20); quick and accurate Dispenser, knowledge of Photography; easy hours. Apply, stating age, height, salary required, and enclose photo, to "Nemo" (116/35), Office of this Paper.

LOCUM wanted, August 9 to August 23 inclusive, to take entire charge; must be obliging and used to Store and Photographic trade. State age, where last employed, and wages expected to Wale's Cash Drug-stores, 272 Merton Road, Southfields, S.W.

MALE Dispenser wanted for Medical man; indoors; young; time for reading. Apply, personally, 7 to 9 any evening, Dr. Jones, 68 Leman Street.

MANAGER (qualified) required; good salary and prospects; must possess exemplary character for honesty and sobriety. Timothy White Co., Ltd., Portsmouth.

POINGDESTRE & TRUMAN require a qualified Assistant; outdoors; permanent or temporary. Apply, 71 Old Kent Road, S.E.

QUALIFIED Manager wanted for good-class business capable of increase; must be a good worker and accustomed to modern business methods; steady and trustworthy; good opening for a smart and capable business man. Apply, with full particulars of experience, age, etc., to 113/4, Office of this Paper.

QUALIFIED Assistant; in or out doors (preferably indoors); must be well up in all branches of the business; good salary to suitable man. Fullest particulars as to age, height, reference, and photo, Stonham & Son, Maidstone.

QUALIFIED Manager for large Store business in Midland town; must be thoroughly reliable, a good manager, and capable of increasing returns; to suitable applicant seeking permanency every encouragement will be given; hours moderate; weekly half-holiday; no Sunday duty. State full particulars and salary expected, 115/20, Office of this Paper.

SUIT Student; City, for 2 or 3 weeks from August 3; hours 9-7, Saturday 3 o'clock; no Sunday; 30s. Apply, by letter only, to "Chemist," c/o Mr. H. Wood, Milk Street House, Cheapside.

THE MIDDLESEX HOSPITAL, W.—Junior Assistant Dispenser required; candidates must have passed the Minor examination of the Pharmaceutical Society; salary £100 per annum, with luncheon. Apply, stating full particulars, to the Secretary-Superintendent, The Middlesex Hospital, W.

WANTED, a qualified Manager with good references (middle-aged or elderly) for easy berth. Apply, stating salary, to 114/4, Office of this Paper.

WANTED, Locum; qualified; August 1 to 14 inclusive. State salary required and send references and other particulars to 115/5, Office of this Paper.

WANTED, a young man qualified to Dispense and keep books, one used to Horticultural Chemistry preferred. Apply, by letter only, stating age, wages required, experience, to Gray, Eastbourne Villa, Morland Road, Croydon.

WANTED, Assistant (outdoors), with good experience of country Retail and Dispensing. Apply, stating age, height, salary required, and references to last two employers, and enclosing photo (to be returned), J. Bates, Chemist, Bicester.

WANTED, for month of August, gentlemanly qualified Junior Assistant; must be good Dispenser and Salesman; short hours; probable permanency to suitable man. State full particulars, age, height, and salary required to "Spiro" (117/38), Office of this Paper.

WANTED, first-class Locum for London branches, commencing early in August; references must be undeniable; good salary and probable offer of a permanency. 116/23, Office of this Paper.

WHOLESALE.

FAR EAST.—A London firm of Export Druggists have a vacancy for a Representative to Travel in the Far East; previous experience in that territory desirable, but not essential; applicants should be qualified and possess a thorough Pharmaceutical training. Apply, with the usual particulars, such as age, previous experience, salary required, etc., to "F. E." (98/21), Office of this Paper.

A RELIABLE Laboratory Assistant, with good experience in the Manufacture of Toilet Preparations. Address, by letter only, stating experience and salary required, Sangers, S.W. Department, 42a Hampstead Road, N.W.

A REPRESENTATIVE who is already engaged calling upon Hydropathic establishments, Convalescent Homes, Hospitals, etc., to introduce speciality, an article of Food largely recommended by Medical men; used daily; good commission to one who can influence business. Apply, 110/26, Office of this Paper.

BY London Wholesale House.—Laboratory hand; experienced in manufacture of Galenicals and having special and thorough working knowledge of making Emulsions on a large scale. Apply, 101/16, Office of this Paper.

CHEMIST and Druggist wanted for Australia; a man who thoroughly understands Drysaltery work, including Baking-powder, etc. Write, stating age, experience, references, to "Z L. 321," c/o Deacon's, Leadenhall Street, E.C.

DRUG and Pharmaceutical Proprietary Trade. Wanted, for Australia, Sub-manager and Travelling Representative; practical Chemist preferred; must be good Salesman with indoor experience; Pharmaceutical Proprietary and Surgical Dressings leading line, must possess undeniable references in present situation; good opportunity for a man of ability and enterprise. Address all particulars to 108/26, Office of this Paper.

EXPERIENCED Invoice Clerk (about 23) required for London Wholesale Druggists; progressive appointment for capable young man. Full particulars and salary required to 100/42, Office of this Paper.

EXPORT Representative, with thorough experience of Export business, wanted to call upon Merchants and Shippers by London Wholesale and Export Druggists. Apply, with full particulars, to 118/9, Office of this Paper.

JUNIOR Invoice Clerk wanted for the office of a London Wholesale Drug-house; must have some knowledge of the trade. Address, stating previous experience and salary required, to "Specials," c/o Streets, 30 Cornhill, E.C.

JUNIOR Assistant.—A City firm of Manufacturing Chemists has several vacancies for Junior Assistants possessing the Minor qualification; men who have had London experience in the Retail preferred. Applicants should state age, experience, salary required, and when disengaged to "J. A." (101/35), Office of this Paper.

PILL-MAKER with good all-round experience wanted by a London firm; must be a smart, energetic, and reliable worker and a capable Pill-coater. Write full details of age, experience, and wages required to 115/3, Office of this Paper.

QUALIFIED.—Wanted, by a Wholesale firm, young qualified Chemist, preferably with Continental experience, to fill a vacancy on their office staff; progressive position for a man of good business ability; applications can only be considered when accompanied by full details of age, previous experience, salary, etc. Apply to "Q. C." (88/201), Office of this Paper.

SMART Representative wanted, with thorough knowledge of the trade, to solicit Chemists in the Southern Counties. State fully age, experience, and salary required to 118/22, Office of this Paper.

TRAVELLER required to call upon Hospitals, Infirmaries, etc., London and district; must have good connection. Address, with full particulars, age, and salary required, 101/24, Office of this Paper.

WANTED, by end of August, for Wholesale Chemists' house, a smart Buyer; one with thorough knowledge of the business and capable of taking responsible part in the management preferred. State experience and salary required to 111/5, Office of this Paper.

WET Counter hand, aged about 18, required by London house; must have trade experience. State particulars of previous situations, wages expected, and if disengaged, to 117/33, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

RETAIL.

EVENINGS from 6 P.M.; qualified. "Chemist," 84 Huntley Street, W.C.

JUNIOR; 20; 4¼ years' good experience; tall; abstainer. Dann, Brigg, Lincs.

LOCUM; disengaged 14th. "Qualified." Dance, Chemist, 12 College Road, Kensal Rise, N.W.

ASSISTANT; 27; excellent reference. Innes, 10 Rosencath Road, Clapham Common, S.W.

JUNIOR; 20; 5 ft. 10 in.; abstainer. "H.," 98 Severn Road, Weston-super-Mare, Somerset.

MANAGER or Locum; good experience; qualified. "Malanta," 625 Seven Sisters Road, London, N.

QUALIFIED desires engagement; week or fortnight, August. "Chemist," 21 Clarence Street, York.

LOCUM; qualified; disengaged 31st inst. to August 7; excellent references. 115/1, Office of this Paper.

RELIEF duty; disengaged one day or half a day a week; good references. 114/[illegible], Office of this Paper.

LOCUM or permanency; qualified; middle-aged, abstainer. "B.," c/o Mr. Sharpe, Bakewell Street, Coalville.

DISENGAGED 11.30 to 5.30 daily; Chemists or Surgeons, or good Agency; London. 115/6, Office of this Paper.

UNQUALIFIED; 35; married; country experience; Book-keeping; Church. "Energy," 6 Semley Road, Brixton.

MANCHESTER.—Junior desires temporary engagement till September 25. "X." (110/28), Office of this Paper.

YOUTH aged 19 seeks situation as Junior [illegible] passed Preliminary. Apply, 114/19, Office of this Paper.

ASSISTANT; Counter, Photography, Prescribing, Window-dressing; outdoors; disengaged. Campbell, 40 Herbert Street, Cambridge.

LOCUM, vacant July 17 to July 26 and after August 26; good references. Apply, Follows, M.P.S., Addenbrooke's Hospital, Cambridge.

SITUATIONS WANTED (*continued*).

LADY Dispenser; qualified; Locum; dates open. "L.," 76 Bedford Road, Ilford, Essex.

ASSISTANT; unqualified; married; 30; tall; excellent references. Hannath, 39 Parson's Mead, Croydon.

UNQUALIFIED Assistant; steady reliable man; married; country preferred. Barford, Long Buckby.

DISPENSER to Surgeons; unqualified; quick worker. "J. M.," 70 Avondale Square, Old Kent Road.

MANAGER; qualified; married; good experience and reference. "Statim" (117/37), Office of this Paper.

ASSISTANT; 30; Mixed business; country preferred; good references. 8 Mason Street, Edge Hill, Liverpool.

MANAGER-ASSISTANT, recovered from accident, requires light work. "A.," 3 Clarence Gardens, Regent's Park.

LADY help, putting up Stock or Fancy Department; good experience; good references. 116/32, Office of this Paper.

MANAGER; qualified; married; 2½ years last situation; good references. Eustace, 72 Westbourne Park Villas, W.

MANAGER or Locum; qualified; first-class experience; abstainer; disengaged. "K.," 3 Ranelagh Road, Pimlico, S.W.

LOCUM; 30; disengaged; excellent references; abstainer. "Qualified," 261 High Street North, Manor Park, E.

LADY Dispenser requires post with Doctor or Institution; qualified; excellent testimonials. 116/26, Office of this Paper.

LOCUM or otherwise; competent Assistant, Prescriber, and Extractor; married; 38. "Colu," 1 Harleyford Road, Vauxhall, S.W.

DISPENSER (lady); disengaged; experienced; excellent testimonials. "A. S.," Ambleside, Carshalton Park Road, Carshalton.

DISENGAGED soon; advertiser (37), thoroughly reliable and trustworthy; unqualified. "H.," 15 Marquis Road, Stroud Green.

DISENGAGED; competent; First Assistant; able to control staff; used to busy Store. "Phospherine," 99 Victoria Road, Peckham, S.E.

PART-TIME; London experience and preferred; outdoors; moderate salary; gentlemanly; good Counterman. 116/36, Office of this Paper.

QUALIFIED Chemist desires position; 7 years' experience; fluent French and Italian, a little English; London preferred. Cassino, 13 Highbury Grove, N.

HOLIDAY Relief (21) previous to College; July 13 to August 2, August 24 to September 20; good experience; reliable; excellent references. Herington, Dunstable, Beds.

ASSISTANT or Manager; 26; unqualified; married; tall; highest references; Store or Family trade; North London preferred. Oswald, c/o Mr. Briggs, Chemist, Crouch End, N.

DISENGAGED seeks situation, Assistant or responsible position; exceptional varied experience, City, suburban; excellent references. Forster, 5 Coleridge Road, Finsbury Park, N.

COMPETENT Assistant; 28; at liberty when required; good Dispenser, smart Salesman; best references; unqualified; very reliable. "Borax," 63 Stephens Road, Tunbridge Wells.

IMPROVER; 19; tall; 2½ years' experience of English and Continental Dispensing, Photography; best references; facility for study. Please apply, "A. S.," 115 Leadenhall Street, E.C.

ASSISTANT; 22; abstainer; good Dispensing experience; Photography; outdoors preferred; disengaged middle of August; Midlands or North. Apply, "H. S." (115/16), Office of this Paper.

NOTTINGHAM or near.—Locum (July and August) or permanency; Prescriber; long and varied experience; excellent references; would Travel. Address, "Capsicum," 29 Park Row, Nottingham.

MANAGER, qualified, young, energetic, abstainer, has Monday, Tuesday, Friday, and Saturday afternoons (3-6) free; Buyer, Organiser, Window-dresser; S. London preferred. "Redhorn," 4 Elgin Mansions, Elgin Avenue, Maida Vale.

WALES.—Locum; permanency; 16 years' experience. Jones, 7 Dyffryr Street, Pontlottyn, Glam.

DISENGAGED; unqualified; several years' experience. R. M. Lelean, 11 Princess Road, Leicester.

STOCKKEEPER, Counter-help, and assist generally; 5 years' experience. Stevens, Sackville Street, Reading.

ASSISTANT or Branch; unqualified; 32; Agricultural, Dispensing, Prescribing. "Opus," 87 Grange Street, Burton-on-Trent.

UNQUALIFIED; good Dispensing, Retail, and Photographic experience; good references. "S.," 46 Talbot Street, Southport.

LOCUM Dispenser; 30; experienced; Surgery, Institution, or Chemists. "Dispenser," 5 Crampton Street, Walworth, S.E.

ASSISTANT, College trained, therefore good experience in Dispensing, 24 years old, requires situation. Evans, 40 Forster Street, Smethwick.

PART-TIME, Relief, or Night Duty required by Minor Student; first-class experience and references. "Student" (118/23), Office of this Paper.

CONTINENT or London; qualified; 26; outdoors; fluent French; good experience home and Continent. D. Beauverd, 27 Clifton Crescent, Folkestone.

QUALIFIED lady Dispenser wants temporary post, about August; 2½ years' experience. Apply, "Dispenser," Lady Gomm Dispensary, Rotherhithe.

QUALIFIED; 30; experienced; highest references; Management, Locum, or Relief; disengaged. Address, "Statim," c/o 161 Stoke Newington Road, N.

ASSISTANT, good Counterman and Dispenser, seeks post at home or abroad; excellent references. Address, "Plymouth" (112/51), Office of this Paper.

LOCUM, unqualified, open to book engagements; Counter, Photographic, Optical, and used to Dentistry; experienced. Crossland, Watergate, Pontefract.

YOUNG Swiss Druggist, speaking English, French, and German, seeks situation in London firm; good appearance. Apply, "T.," 59 Christchurch Street, Ipswich.

PERMANENCY; 14 years' every experience, London and provincial; highest references; unqualified. "Civility and Courtesy," 274 High Street, Rochester.

DISENGAGED; 27; tall; unqualified; 10 years' good all-round London experience; excellent references; outdoors preferred. Harrison, 32 Foxley Road, Brixton, S.W.

UNQUALIFIED; 27; tall; excellent London Dispensing and Counter experience; good references; outdoors preferred. "Vironal" (118/33), Office of this Paper.

ASSISTANT; 30; unqualified; tall; first-class experience; Dispensing, Prescribing, Counter, Windows; highest references. W. R. Thick, 87 Alston Street, Birmingham.

MANAGER requires appointment, with view to Partnership or succession; small business with scope; extensive experience; good Salesman, etc. Particulars to "A." (118/28), Office of this Paper.

LOCUM or Temporary.—Provincial Chemist, just retired, some private means, active, long experience Light class and Prescribing, accepts responsibility on moderate terms. Address, 115/21, Office of this Paper.

ASSISTANT or Manager; unqualified; smart Counterman; first-class Store business; experienced all branches; at liberty any date; aged 26; height 5 ft. 7 in. "Rhei," c/o Thomson, Chemist, Tudor Road, Cardiff.

ASSISTANT; country business; competent, reliable; permanency preferred; 3 years' good references (last); abstainer; middle-aged; single; unqualified; moderate terms entertained. "C. N.," 20 Chapel Street, Uxbridge.

REGISTERED, 12 years where apprenticed, then 15 years as Traveller, since as Manager suburban business, desires appointment as Inspector, Buyer; no objection to relief duty occasionally. 118/15, Office of this Paper.

PERMANENCY: 10 years in last situation; experienced in Dispensing, Counter, or Window dressing; disengaged August 1. Apply, 112/15, Office of this Paper.

CLERK (and) or Stock Assistant; thorough experience large Drug and Proprietaries Stores; shortly disengaged. W. Thom, 28 Catherine Street, Buckingham Gate.

HIGHLY recommended Locum; disengaged; abstainer; unqualified; good all-round man; moderate terms; Midlands preferred. 114/15, Office of this Paper.

WHOLESALE.

PORTER (26) requires situation; Wholesale or Retail; 8 years' experience. "F. D.," 55 Tasso Road, Fulham.

AS Clerk; young man requires situation; smart, energetic; experienced; good references. 114/26, Office of this Paper.

GERMAN (18) desires position as Assistant or Clerk in Wholesale or Retail business. Apply, 117/40, Office of this Paper.

TRAVELLER; sound experience; provincial house preferred; permanency desired. "Provincial" (114/06), Office of this Paper.

WHOLESALE preferred; Junior; 21; experienced; Dispensing; disengaged. "W. G. R.," 49 Seabourne Road, Pokesdown, Hants.

TRAVELLER; disengaged; good connection South and West of England and South Wales; excellent references. 113/20, Office of this Paper.

REPRESENTATIVE, having connection Drugs, Chemicals, Packed Goods, desires good house. "Phenacetin" (114/61), Office of this Paper.

WET Counter; young man requires situation; good experience; 8 years in West-end house. "H. D.," 147 Arlington Road, Camden Town, N.W.

LABORATORY Manager; Major; first-class Manufacturing and Analytical experience; accustomed to control. "Galenicals" (115/38), Office of this Paper.

ESSENCE-MAKER; experienced, Mineral Waters, Confectioner, Culinary, Colours, etc.; excellent references; [illegible] "H. B.," 17 Benson Street, Camberwell, S.E.

WELL-EDUCATED gentleman, qualified Chemist, desires responsible position in office of large firm; varied experience, Retail, Wholesale, Manufacturing. Apply, 118/[illegible], Office of this Paper.

CHEMIST, D.Sc. (Lond.), open for engagements; thoroughly experienced in the Analysis and Manufacture of Fine Chemicals, with practical knowledge of Alkaloids. "Cinchona" 113/11, Office of this Paper.

LABORATORY.—Qualified Chemist seeks progressive and permanent position; well up in Manufacture of and Galenicals; used to control; reliable; energetic; highest references. 117/1, Office of this Paper.

TRAVELLER, with really valuable connection in North of England and Scotland, seeks re-engagement, either exclusive or good Agencies; can satisfactorily introduce new lines. "Good" 11[illegible], Office of this Paper.

TRAVELLER (70), good experience and London connection in Proprietaries, desires re-engagement, salary, or would accept good commission and part expenses. Address, "Drummer," 113 Leslie Road, East Finchley.

TRAVELLER seeks re-engagement; extensive connection Chemists, Midlands and provinces; Toilet Soap and Perfume or Proprietary Articles preferred; excellent reference and guarantee. 112/26, Office of this Paper.

THE proprietors of a well-known Preparation are willing to allow their Representative to carry one other line of a non-competitive nature; small salary and share of expenses. Herbert Illingworth, 82 Arodene Road, Brixton Hill, S.W.

AS Traveller or Agent for South Coast; smart, tactful, up-to-date business man (Chemist) is open to accept an engagement with good Sundry, Soap, or Drug house on commission terms. Firms requiring a real live representative write to "Tact" (115/3), Office of this Paper.

SOUTH AFRICA.—Gentleman who is shortly returning to Johannesburg, where for many years he has been resident, is open to undertake Agency for any suitable line; highest connection and references; thorough knowledge of country and requirements. "Progress" (117/22), Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone 81a Lee Green.

SHARES FOR SALE (free of commission, subject).—100 Allen & Hanburys "A" 6 per cent. Prefs., 25*s.*; 75 Claudius Ash Prefs., 22*s.* 6*d.*; 30 Evans Lescher Prefs., £6 2*s.* 6*d.*; 5 International Sponge Prefs., 10*s.* 6*d.*; 100 Quinine Bitters, 11*s.*; 100 Pears Ordinary, 51*s.* 3*d.*; 100 Sanitas, 23*s.*; £500 G. Baldwin & Co. 6 per cent. Debs., bid wanted; 43 Camwal Ordinary 1*s.* 9*d.*, 12 Pref. 7*s.*

WANTED (subject).—100 Lewis & Burrows Prefs., 10*s.* 6*d.*

List of shares for sale and wanted sent free on application. Bankers, London and County. Established 1893.

WINDOW-FITTINGS (Second-hand).—3 rows plate-glass shelves, with fittings complete, 3 ft. long 45*s.*, 6 ft. 85*s.*, 8 ft. 110*s.*; 6-ft. upright dispensing-counter, mirror centre, £8; upright counter-case, 3 ft. by 2 ft. by 2 ft., £5; 2 2-gal. swan-neck carboys, 30*s.*; desk and case, £2; 8-ft. counter-case front, £5 10*s.* Send for list. TREBLE & CO., Complete Chemists' Fitters, 3 Great Tower Street, London, E.C.

SECOND-HAND SHOPFITTINGS.—Condition excellent, and will be re-polished as new; mahogany counter with glass cases in front, 18 ft. long, price £10; 10 ft. 6 in. mahogany wall-case, in two heights, with mirror recess in centre, £12 10*s.*; 17-ft. mahogany serving-counter with glass cases in front, £9 15*s.*; 10-ft. mahogany wall-case, plate glass, with plate-glass fronted sponge and sundries drawers under, £15; several other useful bargains; also complete set of mahoganised fittings suitable for branch, £30. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. RUDDUCK & CO., 262 OLD STREET, E.C.

SPECIALLY cheap second-hand fittings for a shop, comprising 1 12-ft. fixture, with gold-labelled drawers, cupboards, shelving, and cornice, 8-ft. counter, 6-ft. dispensing-counter, 6-ft. mirror centre dispensing-screen, desk, counter-case, 250 stoppered rounds, ointment and pill jars, the lot for £18; 1 6-ft. bent-glass front counter case, 75*s.*; 1 6-ft. mirror-centre dispensing-screen, 50*s.*; 1 4-ft. dispensing-screen, 40*s.*; 250 stoppered rounds, ointment and pill jars, 80*s.* R. TOMLINSON & SONS, Bond Street, Constitution Hill, Birmingham.

EVERY PHARMACIST WILL BE INTERESTED IN THIS OFFER.

The July letter is now ready, and deals solely with Horticultural Specialities, showing exactly what is in demand, what to stock, also full instructions and Formulæ for making Chemical Fertilisers, Weed Killers (poisonous and non-poisonous), Insecticides, Washes, Fumigators, &c. Will send the same to Pharmacists for their private use on receipt of P.O. for 5*s.* Only one Pharmacist in a district supplied. Book of "How to Increase Your Business," sent post free on receipt of 1*s.*

J. R. B. ALLISON, Pharmacist & Business Specialist, RETFORD.

U-N-E-E-D-M-E.

Though possibly you do not realize it, Mr. Chemist, you need me. Whether a young chemist just starting, an older one buying a fresh business, or an established one who has gone stale, I can used up all his ideas, to one and all I say, you need me. Rightly or wrongly, I believe that the reason for my existence is to increase Chemists' businesses. It is just the one thing I can do, so send for free booklets, and let me help you too. The time to write a postcard to me is not to-night, but NOW. DO IT NOW.

BERNARD SLACK, Princes Chambers, Wolverhampton.

GUMMED PRICE TICKETS

1/3

Crimson ground, white figures. Stocked in all usual prices up to 21/-, each price [illegible] separately in hundreds.

The Midget 9d. per 1,000
The Magnum, 1/6 " [illegible]
assorted prices.

Full illustrated list of blanks for use with these tickets free on application.

10D.

DUDLEY & Co., Ticket Writers & Printers, Holloway, London

EXCHANGE COLUMN

FOR DISPOSAL.

APPARATUS.

PESSARY-MOULD for 6; wedge shape; best offer accepted. "SHAMIEN," Brighton Road, Purley.

BOOKS AND PERIODICALS.

WHAT offers for fourth and fifth editions of "The Extra Pharmacopœia?" FREW, 54 Cowlishaw Road, Sheffield.

BOOKS.—Blyth's "Foods, Compos. and Analysis"; Sutton's "Volumetric Analysis"; Witthaus' "Chemistry"; Dittmar's "Exercises in Qualit. Analysis"; Bloxam's "Chemistry"; Bloxam's "Laboratory Teaching," and others. CAMMACK, Wolseley Road, St. Helens, Lancashire.

CHEMICAL Society Journals, 1898 to 1909; *C. & D.s* 1908-9; *C. & D. Diaries*, 1895, 1903-4-5-6-7-9; "B. & C. Diary," 1905; "Chemical Annual and Diary," 1906; "Successful Advertising"; "Mineral Water and Spirit Trades' Directory," quite new, 1902; accept best offer, whole or part lots. "ANALYST," "Shamien," Brighton Road, Purley.

DENTAL.

DENTAL chair, lathe, and show-case specimens. "DENTAL," 34 Trinity Street, Boston.

ASH-BIRCHWOOD dental chair; 13 pairs new dental forceps, hospital pattern; what offers? Particulars, "T. M.," "Ferndale," Main Street, Littleport, Cambs.

GENUINE S. S. White's dental pump chair, Wilkinson's head-rest; all in perfect condition and almost new; price £12. "H. A. S.," 5 St. George's Road, Hastings.

FORMULÆ.

FORMULA for sale.—Black, brown boot-polishes. FRANCE, 42 Vartry Road, London.

VETERINARY medicines.—Scour, redwater, hoose, ringworm, etc.; 12 in all; 6*s*.; special offer. DODDS, Crumlin, Antrim.

EXCESSIVE perspiration of feet or armpits cured; formula for same, with full instructions, etc., P.O. 2*s*. 6*d*.; costs 3*d*. a pint. J. R. B. ALLISON, Pharmacist, Retford.

OPTICAL AND PHOTOGRAPHIC.

NO. 0 Ralli focal plane camera, ¼-plate, RR lens, 6 double slides; good condition; £2. COUSINS, Buckfastleigh.

FOR sale, handy ophthalmometer; latest pattern; new November 1907; wired for 100 volts; £10 carriage paid. 116/8, Office of this Paper

TEST-CASE (Bruce Green), 30 pairs sphericals and trial frame, 20*s*., cost 32*s*. 6*d*.; Raphael's punctumeter, 15*s*., cost 22*s*. 6*d*.; lens measure, 10*s*., cost 17*s*. 6*d*. ANTHONY, Bedford.

LENSES (various), 11 doz. pairs, numbered, gold-plated frames (pince-nez and spectacles); also lens measure; all new; 60*s*.; bargain; deposit; approval. "OPTOL" (117/1), Office of this Paper.

BINOCULAR microscope, mechanical stage, eye-pieces, combination 3-power objective, 5 other objectives, ⅛ in. to 1/10th in.; stand condenser, stage forceps, live box; list about £17; sell £5. "ANALYST," "Shamien," Brighton Road, Purley.

SHARES.

SHARES for Sale. See page 61.

SHOP FITTINGS.

TWO 4-gallon carboys, also 2 3-gallon carboys with cut stoppers; 5*s*. each, with mahogany stands inclusive. SHERWIN, Chemist, York.

MISCELLANEOUS.

THIRTY 1-lb. boxes Price's self-fitting candles, 12's; Veedee vibrator, complete; style E Kodak developing-machine; all good condition; what offers? WILLIAMS, Chemist, Corwen.

SPONGES, grass, 50 lb., 32*s*., sample dozen 1*s*.; 500 Turkey sponges, worth 6*d*., for £6 5*s*., sample dozen 2*s*. HEAP, Chemist, Hanley, Staffordshire.

SHOW-STANDS, pair "Canadian" polished, 5 shelves, full height 32½ in., width 15 in., shelves extend any angle, cost £2 2*s*., accept 20*s*. pair, 11*s*. one; 7 hypodermic syringes, assorted, 7*s*.; 6 clinical thermometers, half and minute, 3*s*. 6*d*. HEAP, Chemist, Hanley, Staffordshire.

WANTED.

TWO 1-pint Thermos bottles; new condition. WHITBY & CO., Winsford, Cheshire.

DENTAL chair cheap; also combination dental engine. "DENTIST," Borris, Co. Carlow.

SMALL glass aquarium; in perfect condition. Photo or sketch and price, 116/08, Office of this Paper.

PERSONAL weighing-machine; good condition. State size, make, and price, CATTELL, Sutton Coldfield.

COMPLETE set materia medica specimens, Minor, in cabinet preferred. "PHARMACY," 67 Far Gosford Street, Coventry.

MINOR, Major, Chemists' books.—Send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

PORTABLE optical trial-case, complete with cylinders. Give particulars and lowest price, WYATT, 64 High Street, Grantham.

OPHTHALMIC trial-case, complete; also nitrous-oxide apparatus. Send full particulars and price, WATSON, 43 Castle Street, Aberdeen.

SECOND-HAND 2-flask vulcaniser and dental engine required; also cheap chair and dental sundries. Write, stating lowest price, "W. E.," 30 Finsbury Pavement, London, E.C.

DENTAL forceps, sealers, excavators, impression-trays, etc.; "British Pharmacopœia," "Pharmaceutical Formulary," "Book on Perfumery and Confectionery." Full particulars to SMITH, Tower Works, Canterbury.

ADDRESSES WANTED.

THE present address of Mr. F. J. Winser, late of 196 Whittington Parade, Bowes Park, N. G. COVERDALE, LTD., 23 Parliament Street, York.

Poisoning Cases.

WE have received reports of ten fatalities from poison (real or supposed) during this week. Five were suicides. John Haddock (25), a traveller, residing at Clydebank, near Glasgow, bought fourpennyworth of carbolic acid from a chemist and drank it all.—George Jakeman (76), an engineer of Cartworth, ended his life by drinking ammonia solution.—Mrs. Ellen Macdonald, Gorleston, took salts of lemon on Monday afternoon and died. At the same time her husband committed suicide by opening a vein.—Last week an inquest was held at Basingstoke regarding the death of Ernest G. Bone (44), the son of and assistant to a local veterinary surgeon. The evidence showed that while under the influence of drink he had taken a fatal draught of hydrocyanic acid.—G. H. Elworthy (40), a Plymouth clerk, has died from belladonna-poisoning. The evidence suggested that he had drunk the liniment in error for a mixture.—A female child (2) died in the Hull Infirmary on July 3 as the result of drinking a poisonous lotion which her father had obtained from the infirmary for his own use.—On July 5 Mr. R. A. Willcock, the Wolverhampton borough coroner, held an inquest touching the death of Herbert Wm. Cooper (2), which was said to be due to pneumonia following potassium permanganate poisoning. Dr. Powell's evidence showed that the boy would probably have recovered if measles had not appeared. There was not much danger, he added, in diluted permanganate of potash; in fact, it was used as an antidote for a number of poisons. The jury's verdict did not attribute the death to the permanganate.—The mystery of the death of Colonel Robert Faulkner, who resided near Leicester, has now been cleared up. He died on May 18, and it was thought that he had suffered from some irritant poison. Dr. Williams, who attended him, had, on April 27, sent a sample of the Colonel's urine to Messrs. Young & Sons, chemists, of Leicester, who reported that it contained distinct and unmistakable traces of arsenic, and that, although the amount present could scarcely be responsible for much injury to the system, yet it was not incompatible with the supposition that a considerable amount might have been present at one time in the stomach. Since the death Dr. Wilcox, Senior Home Office Analyst, had analysed the contents of the stomach, but found no arsenic. The jury found that death was due to alcoholic poisoning accelerated by some other irritant.—Ernest W. S. Pickhardt, an author, who lodged at the Bath and Chatham Hotel, London Street, Paddington, took 120 grains of veronal to make him sleep, and he never wakened. At the inquest on July 7, Mr. J. C. B. Reis, chemist, Dartmouth Park Road, Highgate, was one of the witnesses, and stated that he knew deceased took veronal, and he had administered it to him, often cheating him by giving him less of the drug than deceased thought he was having. On June 30 he found deceased unconscious in his bed, with an empty bottle, which had contained veronal tabloids, near the bed. Dr. P. A. Durant, another witness, stated that veronal tabloids ought to be scheduled as "poison."—At Dartmouth, on July 5, Mrs. Olive Bartlett (66) died from drinking a poisonous insecticide.—Thomas Lupton (55) committed suicide on July 3 by drinking carbolic acid.—A verdict of *felo-de-se* was returned by a Grimsby coroner's jury on July 7 in the case of Mrs. Edith M. Farman, the mother of three children, who died from lead-poisoning, the result of taking diachylon pills to produce abortion. Dr. Felton, who gave evidence, strongly condemned the sale and use of this substance.

Proprietary Articles Trade Association.

The annual meeting was held on July 8 at Anderton's Hotel, Fleet Street, London, E.C. Those present were Mr. G. H. Burroughs (President) and Messrs. C. J. G. Bunker, H. W. Colley, S. N. Pickard, B. Hirst (Hirst, Brooke & Hirst), W. R. Barnes, J. W. Sutherland, W. Edwards (Edwards & Sons), G. R. Barclay (Barclay & Son, Ltd.), W. C. Beetham, A. Tebbutt (Sutton & Co.), W. H. Grayson, J. McCaig (Evans Sons Lescher & Webb, Ltd.), J. G. Atkinson, A. T. Webb (May, Roberts & Co., Ltd.), E. Pickering (Newbery & Co.), A. Cooper, P. F. Rowsell, Hy. Gadd (Evans, Gadd & Co., Ltd.), B. W. Powell (Thos. Powell, Ltd.), J. C. Umney (Wright, Layman & Umney), G. Knight, W. H. Aukland, J. A. Jones, J. C. Pentney, D. Anderson, and W. S. Glyn-Jones (Secretary).

The notice convening the meeting having been read, the President moved the adoption of the annual report (*C. & D.*, July 3, p. 24). Mr. Rowsell having seconded the adoption of the report, Mr. H. Gadd commented on the 10-per-cent. increase in the Manufacturers' Section, and hoped that the Secretary would not relax his efforts while any wholesalers remained outside the Wholesale Section. Mr. Edwards suggested that efforts might be made to increase the number of retail members. Some of the accumulated funds might be devoted to this purpose. The President said a note would be made of the suggestion. Mr. Glyn-Jones explained that at present canvassing is more or less spasmodic. It is possible, he added, to obtain a subscription too dearly. Mr. McCaig hoped the matter would be considered by the Council. Mr. Pickering also spoke, and the President intimated that the Council will consider the matter. Mr. Pickard inquired if there were not many more wholesalers to come in. Mr. Glyn-Jones, referring to the retail members, said that the Chemists' Defence Association helps the P.A.T.A. in that the benefits cease if the subscription to the C.D.A. falls in arrear. Mr. Hirst thought it might possibly be made a qualification to rank as a wholesaler for obtaining the best terms from a manufacturer that the wholesale house subscribes to the P.A.T.A.

The report was adopted, and votes of thanks to the officers finished the proceedings.

Chemists' Defence Association.

The annual meeting of this Association followed, Mr. C. J. G. Bunker (Chairman of the Directors) in the chair. Mr. W. Johnston (Secretary) read the notice convening the meeting, after which the Chairman, referring to the report of the directors, said there has been a steady increase in the number of members, and the year had not been characterised by any very heavy claims. There have been many claims made which are not shown in the report, but some of these were not pressed when the parties saw they had to deal with a strong Association. Mr. Rowsell moved the adoption of the report, and Mr. Sutherland seconded. Mr. J. A. Jones asked what was the ultimate object of the proposed alterations in the rules. Was any scheme of amalgamation before the Directors? He thought that separate entities tend to weakness. Mr. Knight said the sphere of the parent society (to which Mr. Jones had alluded) was very different from the objects of the Chemists' Defence Association. Many chemists, he continued, are easily frightened when threatened with claims for damages. Many bogus claims are made, and he recalled a case in which he was asked to arbitrate in which the party making the claim was a convict on leave. Mr. Atkinson could not see how any chemist could afford not to belong to the Association. The report was then put and adopted.

Alterations in Rules.

Various alterations in the rules were then made. The object of the alterations was generally to increase the benefits of the Association to the shareholders. The rules were read separately and passed, a slight alteration only being made in Rule 12, on the suggestion of Mr. Pentney. When Rule 2 was under discussion—the rule recites the various Acts under which prosecutions are defended—Mr. J. A. Jones suggested that a *résumé* of the Acts should be published in the "Yearbook." Mr. Knight pointed out that this is already done in *The Chemists' and Druggists' Diary*. Mr. W. S. Glyn-Jones, on this point, said it is important to remember that the purpose of the Association is defence. It is only when a chemist is prosecuted that he can claim the assistance of the Association, not when civil actions are threatened. The list includes every Act under which a chemist is likely to be prosecuted in the pursuit of his business. Mr. Johnston (Secretary) offered to place the matter before the Directors, with a view of preparing a list of the things the Association does not undertake, such list to be prepared in the light of inquiries which are received. Mr. Pentney also spoke, giving his experience of threatened prosecution under the Dentists Act.

The Directors were re-elected, and votes of thanks were given to them for their services during the year, and also to the staff.

Failure.

Re P. F. Taylor (trading as F. H. Taylor & Sons), New Wharf Road, King's Cross, London, N., Glass-bottle Manufacturer. A meeting of creditors was held at the Guildhall Tavern, London, E.C., on Wednesday afternoon, July 7, when an approximate statement of affairs was put before the meeting by a firm of chartered accountants, which showed an estimated deficiency of assets under liabilities of 5,935*l*. Mr. Siebert, of Tritschler, Winterhalter & Co., the largest creditors, was elected Chairman, and after a protracted, and at times heated, discussion, it was agreed to adjourn the meeting for a week. A committee, consisting of the Chairman and Messrs. Weiss (Weiss & Bilheller), Wiesler (F. Hofmann), and A. W. Quaintance, was appointed to investigate affairs in the meantime, with a view to the acceptance (or refusal) of a proposal put forward by the debtor's father.

Coming Events.

Notices for insertion under this heading should be received by the Editor on Wednesday of each week.

Wednesday, July 14.

Leeds Chemists' Association. Annual picnic to Pateley Bridge, for Middlesmoor. Tickets (4*s.* 6*d.* each) from Mr. J. R. Bentley (Hon. Secretary), 35 Kirkgate.

College Notes.

Liverpool School of Pharmacy.—There was a large gathering of students, both past and present, at the above school on Wednesday evening, July 7, when Mr. H. Humphreys Jones, the Principal, was presented with a handsome marble timepiece and a framed address on the occasion of his marriage. Mr. F. M. Bice, in making the presentation, conveyed on behalf of all present the heartiest well wishes for Mr. and Mrs. Jones' future happiness and health. Mr. Jones suitably replied. An impromptu concert given by the students brought to a close a very enjoyable evening.

Where to Study.

The following educational institutions are advertising in this issue:

School of Pharmacy, Bloomsbury Square, London, W.C.
Muter's (South London) School of Pharmacy, 325 Kennington Road, London, S.E.
London College of Pharmacy, 323 Clapham Road, London, S.W.
South of England School of Pharmacy, 186 Clapham Road, London, S.W.
Northern College of Pharmacy, 100 and 102 Burlington Street, Manchester.
Manchester College of Pharmacy, 225A and 227A Oxford Road, Manchester.
Leeds College of Pharmacy, Clarendon Street, Leeds.

Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications should be lodged with Mr. Temple Franks, Comptroller-General of Patents, Designs, and Trade-marks, at the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned. The objection must be stated on Trade-marks Form No. 7, cost £1, obtainable through any money-order office. The figures in parentheses refer to the classes applied for.

(*From the "Trade-marks Journal," June 30, 1909.*)

"Vanguard"; for goods (1) and chemicals (2 and 3). By A. J. Murphy, Dorrington Street, Leeds. 311,315, 312,719/20.

"Dreadnought"; for photographic plates (1). By Arnott, Halliday & Co., Marshall Street, Holbeck, Leeds. 312,529.

"Palatinit" and "Tuscaline"; for all goods (1 and 4); "Ludigol"; for all goods (4). By Badische Anilin und Soda Fabrik, Friesenheimerstrasse, Ludwigshafen-on-Rhine. 313,605/6/7/8/9.

"Electrozone," and label device; for a disinfectant (2). By J. A. Lippincott & Co., Ltd., 8 Price Street, Liverpool. 312,320.

"Sapeon"; for disinfectants and soaps (2). By J. & J. Taylor & Co., 3, 5, and 7 Seddon Street, Liverpool. 313,432.

"Hall-mark"; for effervescing preparations (3). By Joshua Wilson & Bros., Ltd., 10 Walton Lane, Sunderland. 310,597.

"Pinetab"; for medicinal chemicals (3). By Carter & Sons, 29-31 Summerfield Street, Sheffield. 311,724.

"Capmol"; for a carminative preparation (3). By Omega, Ltd., Lincoln Works, King Henry's Walk, London, N. 312,365.

"Magnetum"; for all goods (3). By J. M. Whyte, Clifton Park Avenue, Belfast. 312,600.

"Lactesia"; for medicinal chemicals (3). By Cooper, Son & Co., Ltd., 80 Gloucester Road, London, S.W. 313,279.

"Lencurve," an eye-glass device; for lenses and spectacles and eye-glasses (8). By F. W. Bateman & Co., 55 Berners Street, London, W. 313,625, 313,628.

"Estaric"; for surgical or curative instruments and apparatus (11). By Austrian-American Rubber Manufacturing Co., Ltd., Hutteldorferstrasse 74, Vienna. 313,054.

"Vapaform"; for lamps (13). By McDougall Bros., 68 Port Street, Manchester. 313,273.

"Carnax"; for preservatives (42). By Gillman & Spencer (1902), Ltd., 44 Princes Street, London, S.E. 313,052.

"La Milo," and picture of same; for toilet-articles (48). By Standard Tablet and Pill Co., Hove, Sussex. 307,372, 307,537.

"Rozeau"; for d'oyleys to remove perspiration (48). By C. P. L. Titherley, Piercefield Road, Formby, Lancs. 311,832.

"Norisco"; for tooth-brushes (50). By C. A. Schierwater, 29 Church Street, Liverpool. 310,753.

Parcel-post Inspection.

Chemists who import small packages of various goods by parcel-post will doubtless have noticed that such packages have been opened lately by the Customs. Indeed, for the last three months there has been a scrutiny of parcels such as has not existed previously, and the fact that the Customs official is the scrutineer suggests at once the nature of his business and the reason for this internal examination of many packages. There has been reason to suppose that contraband stuff, such as perfume, cigars, saccharin, etc., has been coming in through the parcel-post, the packages being designedly get up to deceive the postal authorities as to their contents. All imported parcels go to the depôt at Mount Pleasant, where they are subject to examination by a special staff of Customs examiners, assisted by the postal officials. Formerly this Customs staff was allowed discretion in the selection and examination of parcels, but a recent regulation insists on the handling of every parcel. The Declaration of Contents has to be read by the officer or translated to him by the Post Office officials, and the Customs examiner then takes it in his hand and uses his mental eye. If in his judgment the declaration is untrue, the parcel is opened and the contents examined. With so many thousands of parcels coming into the United Kingdom it must be impossible for the examiners to detect every bottle of perfume secretly packed, yet these men are warned that should any parcel subject to duty, detention, or special treatment escape notice during the external examination of a mail, the circumstances will without fail be brought under the notice of the Board. This work is regarded as of great importance, both to the Revenue and the merchant. No doubt too many "Samples of no value" have been allowed to come through the parcel-post in the past, and if important leakages of this nature are not stopped, the interests of trader and Revenue are largely detrimentally affected. Complaints have been rife from manufacturers of the illicit trade done through the parcel-post, and it is to the advantage of all legitimate trading that such underhand methods should be stopped.

Spice-trade in Germany.—The trade in spices was very keen last year in Germany, competition on the part of the United Kingdom being vigorous. It is said that the German industry is rather handicapped by various legal regulations that do not affect the British mills.

Veterinary Notes.

Hints to Poultry Fanciers.

What tar and whisky are to the Highland shepherd, Epsom salt is to the poultry-rearer—in fact, the latter is one of the most useful remedies to keep in stock, as it prevents many, and cures most, of the diseases prevalent among poultry. Its administration is also very simple, since it can be given in the drinking-water or soft food in doses of (usually) half-teaspoonfuls.

Permanganate of Potassium (ʒj. to ʒij. in a gallon of water), in addition to being a good disinfectant, may also be used for washing the beak, eyes, mouth, etc., of fowls during various diseases, such as roup.

Paraffin is another requisite which can scarcely be omitted from the poultry-fancier's armamentarum. When rubbed or painted into the crevices and fittings of the night-house—say, once a week—it prevents the breeding of insects; or if mixed with castor, olive, or linseed oil and sulphur it is one of the best cures for destroying the small ticks which are found in the heads of chickens.

Creta Preparata, mixed in the food—dry, if possible—invariably gives relief to chickens or other animals which are in any way too loose in the bowels and inclined to diarrhœa.

Iron, preferably in the form of sulphate, is another medicine that should always be in stock. It is a powerful tonic, can be given at any season of the year, and proves of great benefit when the animals are moulting.

Sulphur must not be forgotten, as it is useful in so many ways. Rubbed into the feathers, it wards off pests, assists greatly in the moult and growth of young feathers, and when mixed with paraffin oil, as mentioned above, is useful as a destroyer of parasites. Mixed with lard, vaseline, or lanolin, it is infallible as a cure of scaly legs and eyes.

Camphor is another useful requisite. A small piece kept in the drinking-water tends to keep off gapes, while a few drops of spt. camphor. given in water greatly relieves coughs and colds.

Ailments of Rabbits.

Chemists are occasionally consulted as to the ailments of rabbits, and, as but little has been published on rabbit diseases or troubles, a few remarks with the corresponding treatment are appended. Much (if not all) disease in rabbits can be attributed to dirt, foul air, and bad food. If kept dry, clean, not overcrowded in the hutches, and supplied with good substantial food at least once daily (*i.e.*, the same attention as is given to most pet animals), these troubles will practically cease.

Dropsy, one of the most frequent of their diseases, is caused principally by dirt. The treatment consists of cleanliness, dry food, and aromatic herbs, such as parsley, thyme, sage, etc.

Ophthalmia, caused by the ammonia escaping from dung or urine, often appears in the young when about a month old. Bathe the eyes with a lotion containing boric acid and zinc sulphate, and keep them scrupulously clean.

Rot, or Scab, is a disease with a very offensive smell. The hair mats together, and later a suppurating sore is seen, which is accompanied with more or less dropsy. Treatment is fresh air and good nourishing food. The affected parts should be washed with carbolic or permanganate lotion, etc., and ung. boric., zinc., or sulphur. applied afterwards. Small doses of sulphur should also be given internally.

Many diseases to which young rabbits are very susceptible can be checked by a change to dry food in which there is a sprinkling of prepared chalk. The remarks concerning the above diseases also hold good with guinea-pigs and ferrets.

A Soap Order.—The many curious orders we have often noted in these columns are frequently doubly interesting from the scraps of paper on which they are written, as also the wonderful characters that appear thereon. Brown paper, toilet-paper, the margins of newspapers or magazines are quite common. In Stockport, however, if paper is not forthcoming when some "Wright's Coal-tar Soap" is urgently required, white satin, a piece 6 in. by 2½ in., is good enough. The writer of the order undoubtedly pays a high compliment to the value of the soap.

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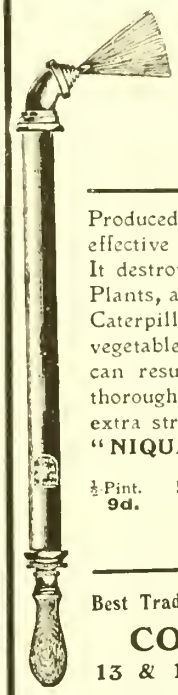

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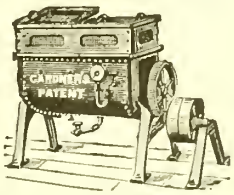

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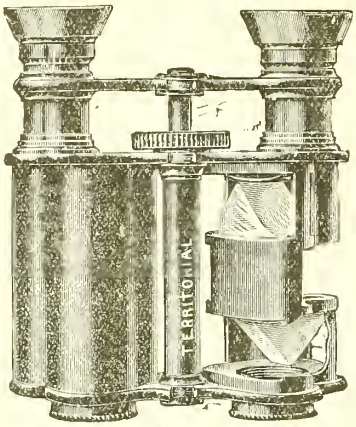

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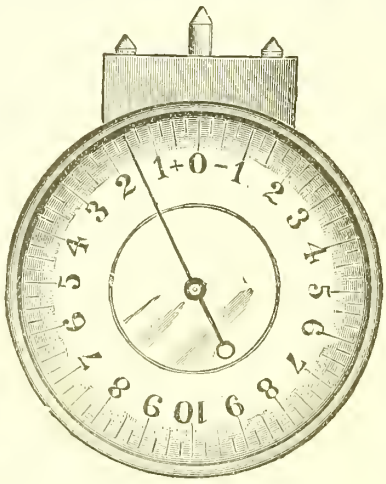

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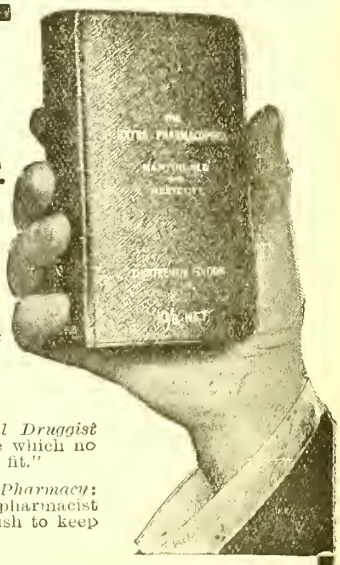

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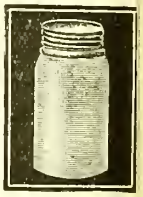

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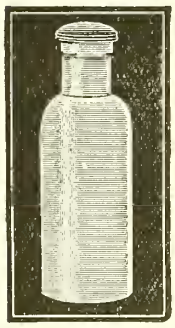

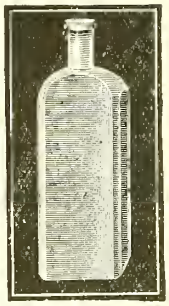

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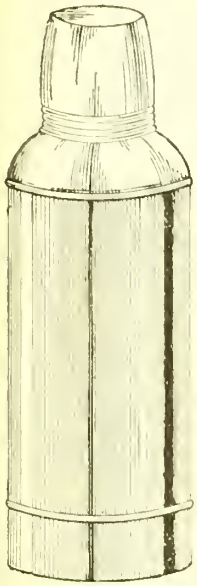

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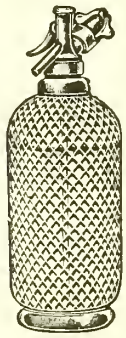

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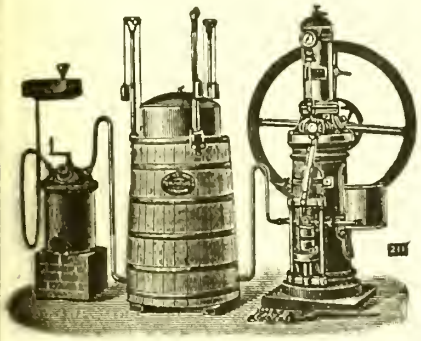

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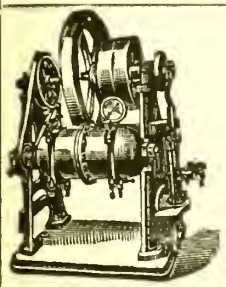

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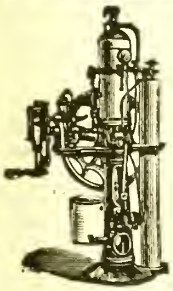

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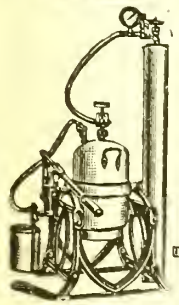

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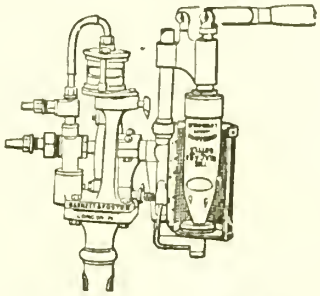

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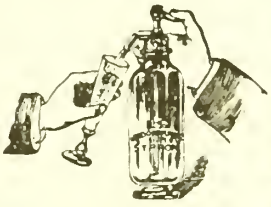

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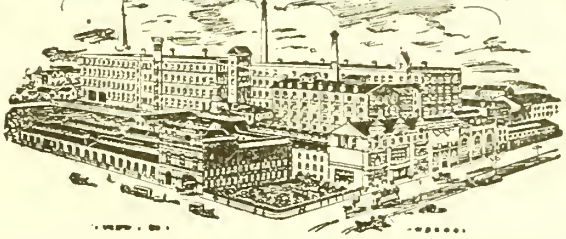

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Expert Advice.

Summary of the Week.

Agri-horticultural Poisons.

The reports of the doings of local authorities continue to be bulky and diverse in judgment. This week several notable features are reported, including a communication by Barnsley chemists to the Privy Council, which has compelled the latter to move (p. 60).

The Pharmaceutical Council has decided, on the motion of Mr. Young, to take immediate steps to investigate the validity of certain licences granted in large centres of population already amply supplied with statutory sellers of poisonous substances. There was a long Young *v.* Gifford discussion on the matter (p. 58). See also p. 55.

Customs and Excise.

The Commissioners have issued instructions to officers in regard to taxation of motor-spirit, and notices to manufacturers, sellers, and users of the spirit, which are epitomised in the first editorial. In spite of a soothing answer by Mr. Hobhouse, the departmental interpretation includes benzoline and the like. We therefore claim statutory exemption for retail sales (p. 52).

Further official intelligence about the Budget proposals affecting spirituous medicines and medicated wines carries the protests somewhat further. (See notes on pp. 48, 55, and 67.)

All packages coming from abroad by parcel-post are now handled by Customs officers at the G.P.O. with a view to detecting attempts to escape duty (see *Coloured Supplement*).

General News.

The Medical and Pharmacy Council of Orange River Colony is moving in regard to Dutch medicines, and a Bill has been introduced in Pretoria to amend Transvaal pharmacy law in some respects and to further restrict the sale of opium (p. 41).—The German Parliament has rejected the proposal to tax perfumery (p. 42).

Legal and Parliamentary.

The Law Courts furnish several reports of business or personal interest to the drug-trade. The first lawsuit with reference to a National cash-register has been heard in Belfast, and failed. The High Court cases include an action in the Scots Court about the contact process for making sulphuric acid, and one relating to the Ammonia Soda Co.'s affairs. The late Mr. G. T. Fulford's will is being considered by the Judicial Committee of the Privy Council (p. 43). The Lever action against the "Daily Record" has been settled (p. 40).

The reports from St. Stephen's are chiefly in regard to Budget questions. Medical men who have motor-cars have been soothed by Mr. Lloyd George, and about motor-spirit more information is given, one reply indicating that coal-tar distillates are not at present taxable. The spirit-duty is still, as regards medicines, being agitated (p. 43 and p. 67).

Market Matters.

The market features include a reduction in morphine salts, spearmint oil, and ext. henbane. Higher prices are asked for Matto Grosso ipecacuanha, shellac, and palm oil. Benzols, lemon oil, saffron, and nutmegs are firmer. Copaiba and ammonia sulphate are easier (p. 63).

The Board of Trade Returns for June show a welcome increase in both imports and exports, while increased activity is noted in the shipments of drugs and medicines (p. 55).

Pharmacy Law.

An Ipswich chemist company has been fined under Section 17 of the 1868 Act for omitting to label a poison properly—accidental it was said (p. 43).

A move is on to force the hands of the Pharmaceutical Council in the matter of registration of Army compounders and Apothecaries' assistants. The Home Secretary has answered a question on the subject (p. 48), and the solicitor to the Society of Apothecaries has given the Pharmaceutical Council some hints (p. 56). We ask chemists to be ready for a fight which seems bound to come (p. 54).

The Chief Secretary for Ireland received on Tuesday a deputation from companies in Ireland, chiefly in regard to apprenticeship to companies being recognised for the Pharmaceutical Society's examination. Mr. Birrell indicated that fresh powers are probably not necessary, and advised the deputation to approach the Council again before attempting fresh legislation. The *C. & D.* Parliamentary representative was the only reporter present, and his notes begin on p. 45.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

SUMMER CONTRIBUTIONS.

Dry-way Reactions in Chemical Analysis.

IN the preliminary dry-way examination of unknown solid substances a variety of tests may often be applied with great advantage. The simple and elegant film tests, devised by Bunsen, which were very fully described in the *C. & D.*, November 28, 1903, p. 910, are tolerably well known, and are frequently employed by correspondents of the "Corner for Students." In the present article and a succeeding one we propose to describe the more obvious phenomena observed and the more common effects produced when unknown solid substances are subjected to a gradual increase of temperature in sublimation-tubes. The sublimation-tubes employed are tubes of hard glass, about 8 cm. long and 6 to 8 mm. in internal diameter, closed at one end: they should be made by the student himself, from hard glass tubing of the proper bore, by cutting the tubing into lengths of about 16 cm., heating these lengths in the middle in a small blowpipe flame, and, when the glass has become sufficiently softened, slowly drawing out so as to produce two tubes. These tubes are so narrow that the small quantity of air they contain usually plays only a very small part, if any, in the chemical changes which occur when substances are heated in them, and hence the observed changes as a rule differ but little from those which would take place if the substances were simply heated in absence of air.

In interpreting the phenomena that may be observed during the heating of the various substances experimented with, it is important to remember that the products obtained are often formed by the interaction of two or more constituents of a mixture with one another, and that they would not be obtained by heating any one of these substances separately. Thus, for example, hydrochloric-acid gas may be evolved on heating a mixture consisting of a chloride along with a hydrous sulphate easily decomposed by heat (such as ferrous sulphate or common alum), although the chloride alone would stand heating to a high temperature without decomposition. Again, a sublimate, consisting of globules of metallic mercury, may be obtained on heating a mixture containing calomel along with sodium carbonate, although the calomel would yield a totally different sublimate when heated alone.

Sublimation-tube Tests.

Place a small quantity of the solid substance under examination in a sublimation-tube and, holding it at an angle of about 60 degrees from the perpendicular, heat it in the Bunsen flame, gently at first but afterwards more strongly, and eventually raise the temperature, if necessary, until the glass begins to soften.

During the heating, the sublimation-tube may be held in a pair of forceps or crucible-tongs; or, more conveniently, by aid of one of the simplest forms of test-tube holder, which is merely a narrow band consisting of several thicknesses of paper, and is made by folding a strip of paper longitudinally several times. The folded paper is made into a loop, within which the upper end of the sublimation-tube is placed; the loop is then tightened round the tube and firmly held by the thumb and forefinger.

Although the general term "sublimation-tube tests" has been applied to this mode of examining the behaviour of unknown substances, it does not by any means follow (as will be indicated below, and as the student can easily observe) that a sublimate will be produced in every case. The following are some of the more important phenomena that may be observed:

1. The Substance does not appear to undergo any change. (Note that there are few solid substances which are free from sensible quantities of hygroscopic moisture, the expulsion of which may be the only noticeable change produced on heating. A part of such moisture usually condenses in drops in the cool upper portion of the sublimation tube.)

2. The colour of the substance changes but little or no further effect is observable. Some colourless metallic oxides become coloured, and some coloured metallic oxides have their colour intensified. Thus, zinc oxide (white) becomes yellow when heated; stannic oxide (white or yellowish-white) becomes yellowish-brown; bismuth oxide (greenish-yellow) becomes orange or reddish-brown; lead oxide (pale brown) becomes dark brown. Mercuric oxide (red) and red oxide of lead become nearly black, and if the temperature be sufficiently high, decomposition takes place, with evolution of oxygen. Potassium chromate (yellow) becomes dark red. The original colour, or an approximation to it, is usually assumed by these substances on cooling.

3. The solid substance becomes liquid, but this change is not accompanied or succeeded by any indication of decomposition, and the substance resolidifies on cooling. A number of inorganic salts, which are free from "water of crystallisation," also some other substances, behave in this way. (Note that liquefaction is often accompanied or succeeded by decomposition, sublimation, etc., whereby recognisable gaseous or liquid products, sublimates, etc., may be produced.)

Exercises in Qualitative Analysis

will be renewed at the end of the summer, and an announcement regarding them will appear in our issue of September 24.

English and Welsh News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Brevities.

The Gloucester county analyst examined, *inter alia*, last quarter two samples each of camphorated oil and sweet spirit of nitre, all being genuine.

A somewhat serious accident happened on July 3 to the son of Mr. W. L. Parker, chemist, Market Place, Ilkeston. He is an assistant to his father, and whilst mixing some chemicals an explosion occurred, and he was badly burnt.

The opticians of Sheffield met on June 30, Mr. L. Ansell presiding, and decided to form the Sheffield and District Society of Ophthalmic Opticians. Mr. D. Cowan was elected President, Mr. Ansell Secretary, and Mr. Johnson Treasurer. The election of a committee was postponed until the towns in the district have been canvassed.

On the evening of June 30, a St. John's Wood pharmacist had a visit from two customers whose actions were similar to those two men charged at Ipswich in February (see *C. & D.*, Feb. 13, p. 250), and, remembering the circumstances of the case and feeling that a similar attempt was being made, he called in the police and gave the men in charge. They are now under remand.

The London National Cash Register Users' Protective Association has issued a circular to purchasers of the National Cash Register Company's machines regarding the reduction in price of these instruments. Those desiring to join are required to pay a fee of 10*s.* for each machine in respect of which it is desired to make a claim, the maximum fee being 2*l.*

The Board of Agriculture and Fisheries have received information as to damage done to the oat crop during the present year by the stem eelworm and the frit fly. The Board have prepared leaflets on the subjects (Nos. 46 and 202). Copies may be obtained gratis and post free from the Secretary, Board of Agriculture and Fisheries, 4 Whitehall Place, London, S.W. Letters so addressed need not be stamped.

The Travel Exhibition at Olympia was such a success last year that another was opened on July 6, and it is to remain open until August 4. Messrs. Burroughs Wellcome & Co. make a good display of "tabloid" products, including medicines, surgical dressings, medicine chests and cases, surgical outfits, photographic outfits, the whole being an exposition of specialising for such diverse pursuits as travel and sports.

The plans for the new headquarters of the Central Y.M.C.A. (temporarily housed at 346 Strand), for which a building is immediately to be erected on a unique island-site on the east side of Tottenham Court Road, near Oxford Street, are said to be full of promise. The scheme includes a hostel, in which two hundred comfortable bedrooms will be available for letting at moderate rents to

young men who are new to London, and have no other home accessible.

At the West Riding Assizes, Leeds, on July 5, John Edward Goodall (64), chemist and druggist, who was employed by the Stocksbridge Band of Hope Industrial Co-operative Society, Ltd., was sentenced to six months' imprisonment with hard labour for falsely entering in a check-book the sum of 2*s.* 2½*d.*, instead of 2*l.* 2*s.* 2½*d.*, received by him on December 10, 1907, and embezzling sums of 3*l.* and 2*l.* He pleaded guilty to the three charges, particulars of which have previously been given in these pages.

Before the Recorder (Sir Forrest Fulton) at the Central Criminal Court on July 1, Chas. Baker, aged thirty-three, licensed victualler, and Fredk. White, aged thirty one, agent, were sentenced respectively to twelve months' and nine months' imprisonment with hard labour for a conspiracy to defraud. The men had traded under the styles of "J. Williams & Co.," "H. Davies," "J. Platt & Co.," "W. Harvey Burrows," "T. & G. Staples," "H. Shadwell," and "A. Huish & Co." at various addresses in the Metropolis, and had obtained a miscellaneous assortment of goods from firms, under the fraudulent pretence that they were genuine traders, that they did not pay for, eventually disappearing from the addresses at which the goods had been delivered.

Independence Day in London.

The American Society in London held its annual banquet in celebration of Independence Day at the Hotel Cecil on July 5, and it was notable for the number of gentlemen connected with the drug-trade and pharmacy who were present. Before dinner one of THE CHEMIST AND DRUGGIST staff had a chat with Mr. John Morgan Richards, who is looking in excellent health after his trip to South Africa, which he greatly enjoyed. He visited Cape Colony, Natal, and the Transvaal, and was much pleased with all that he saw there. The banquet was served in the Grand Hall, which looked (as the Lord Chief Justice remarked during the evening) like a rose-garden. Among those present were Mr. John Morgan Richards (Chairman in 1901, now Hon. Treasurer), Mr. Fredk. C. Van Duzer (Chairman in 1900, now Hon. Secretary), Mr. Robert J. Davis (of Scott & Bowne, Ltd.), and Mr. F. M. Fisk, each of whom presided at a table. Mr. Henry S. Wellcome (Chairman in 1896) sat at the principal table. Among other guests whose names are familiar to our readers were Dr. M. O. Forster, F.R.S., Dr. Fredk. B. Power, Mr. W. L. Howie, Mr. A. E. Holden, Mr. L. O. Johnson (Fassett & Johnson), Mr. William James Evans (New York), Dr. James Cantlie, Mr. Percival J. J. Cathcart, Mr. Brent Good, Mr. John Morgan Richards, jun., Mr. Nelson Richards, Mr. Pierre E. Richards, Mr. S. R. Van Duzer, Mr. H. S. Van Duzer, and Mr. C. Sharland. The company numbered about 400. Mr. Whitelaw Reid, the American Ambassador at the Court of St. James's, was the principal guest, and the Duke of Argyll sat beside him. Peers and members of Parliament were numerous, and the medical profession, the Church, and law, as well as commerce, were well represented.

British Pharmaceutical Conference.

The following is a preliminary list of papers which are promised for the meeting which will open at Newcastle-on-Tyne on Monday evening, July 26:

1. Some experiences in the testing of drugs by bio-chemical methods, with special reference to digitalis, squill, and strophanthus.
2. The comparative examination of the halogen absorption of oils by the methods of Hübl, Wijs, Hanus, and McIlhiney.
3. Commercial emulsion.
4. Note on the separation of strychnine from brucine.
5. Ung. paraffin.
6. Cimicifuga racemosa.
7. Euphorbia pilulifera.
8. Antimonium sulphuratum.
9. The estimation of extractive and glycerin in spirituous galenicals.

Besides the foregoing there are to be two discussions—viz., (1) Shall Dispensing be Confined to Pharmacists? and (2) Some Problems of the Poison Schedule. Fuller details and authors' names will be given in our next issue. In the mean time we are asked to state that chemists who desire to contribute papers should send titles and MSS. as early as possible to the Hon. Secretary, Mr. E. Saville Peck, M.A., Ph.C., Trumpington Street, Cambridge.

Medicine-stall Holders.

The Wigan Chemists' Association recently wrote to the Markets Committee of the Town Council protesting as ratepayers against the permittance by the Corporation of certain individuals to stand every week-end under the verandah of the market-hall for the vending of medicines, for which privilege they pay a small toll. The letter stated that this kind of trading is forbidden on all market-grounds of towns where inquiries had been made. The Market Superintendent reported that there were only two persons to whom the letter applied, and it was moved by the Chairman of the Committee (Mr. Alfred Higham), seconded by Mr. Bott, and resolved that the rents of the stands occupied by the two persons referred to be increased from 10*s.* to 30*s.* One of the stall-holders now wants to know the reason for the increase.

Birmingham Notes.

Among the recipients of the B.Sc. degree of Birmingham University is Mr. G. D. Elsdon, who also secured the Priestley prize, valued at 96*l.* He was a pupil in Mr. Alcock's laboratory for a year.

Mr. G. S. West, M.A., D.Sc., F.L.S., A.R.C.S., who for the past four years has been lecturer in botany at the Birmingham University, has been appointed to the Chair of Botany, vacant by the retirement of Professor Hillhouse.

Henry Thomas Price, a chemist's assistant, Ward End, was at Birmingham County Court on July 6 awarded 10*l.* damages against William H. Checkland, grocer, Washwood Heath Road, for personal injuries received in a cycle accident on March 18, caused by an unattended basket-carriage of defendant's colliding with his bicycle, which was smashed, and he received nasty bruises and cuts.

The King's visit has stirred Birmingham immensely, and not the least those of pharmacy, who right royally have welcomed their Majesties. The bunting on the line of route was gay, and Messrs. Southall Bros. & Barclay excelled themselves in a wonderful device—a huge globe of the world, revolved by a small motor, and a device, "Edwardus VII., the world's peacemaker." This conception of Sir Thomas Barclay's was erected on a platform on the roof of their Easy Row apparatus department.

Mr. W. Partridge secured the special sanction of the Lord Mayor to obtain a photo in tricolour of the magnificent scene of the banqueting chamber before the arrival of their Majesties, this through the instrumentality of that prince of pharmacy, Alderman F. C. Clayton, Ph.C., who, by the way, as Pro Vice Chancellor of the University, had the honour of being presented to their Majesties by the Pro-Chancellor (Mr. Austen Chamberlain).

Contracts.

Southampton Board of Guardians.—W. Bates & Co., Ltd., Southampton, for drugs.

Bradwell Joint Hospital Committee.—Mr. Mayor, chemist and druggist, Tunstall, for disinfectants.

Wigton Board of Guardians.—Mr. Joseph Shadwick, Wigton, to be chemist to the workhouse for three months.

Rotherham Board of Guardians.—Mr. H. Davy, chemist and druggist, Rotherham, for drugs; and Newton, Chambers & Co., Sheffield, for disinfectants and Izal.

Metropolitan Asylums Board.—The following tenders for half-yearly supplies have been accepted: C. J. Hewlett & Son, Ltd., druggists' sundries (except surgical sponges); Medical Supply Association, alembroth gauze (15*l.*); Cuxson, Gerrard & Co., cyanide gauze and boric wool (25*l.*); A. Berliner, white gauze, absorbent wool, alembroth wool, cotton lint, domette bandages, and absorbent tissue (480*l.*); Burgoyne, Burbidges & Co., water dressing bandages, battist, butter muslin, pink jaconet, spongio piline (145*l.*); S. Maw, Son & Sons, brown wool and oiled cambric (30*l.*); G. Oldfield & Sons, plain tow and tarred tow (160*l.*); and B. Pratt & Co., boric lint and surgical bandages (150*l.*).

JAPANESE SULPHUR IN AUSTRALIA.—Increased exports from Japan to Australia were a feature in the trade of Hakodate last year, but exports to the United States fell off. The value of all sulphur shipments was 77,874*l.*, as against 68,922*l.* in 1907.

Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Pharmaceutical Society of Ireland.

At the recent Preliminary examination the following passed with honours: Raymond Victor Gurd, Maryborough; Maurice James Bunyan, Listowel; and Frederick George Smith, Maryborough. The following also passed: James Arthur Chrystal, Longford; Alfred Lawrence Hanrahan, Kilrush; Hugh Patrick Crossin, Belfast; James McDowell, Belfast; Joseph Butler, Cahir; Samuel Percival Wallace, Banbridge; and Adam Mitchell, Borris-in-Ossory. Twenty-five candidates were rejected.

Personal.

New schools were opened at Portadown last week by Sir William Whitla, L.P.S.I., Belfast, under the auspices of the Methodist Church.

Mr. Wm. Shaw has been appointed a J.P. for co. Down. He is a partner in the firm of Messrs. Shaw & Jameson, wholesale druggists, Belfast.

Appointments.

Among the appointments of lecturers in the new Belfast University is that of Mr. A. W. Stewart, D.Sc. (Glasgow), as Lecturer in Organic Chemistry, Dr. J. A. Milroy as Lecturer in Bio-chemistry, and Mr. D. T. Gwynne-Vaughan, M.A., as Professor of Botany. Dr. Stewart has published books on "Stereo-chemistry" and "Recent Advances on Organic Chemisty." A third work, on "Recent Inorganic and Physical Chemistry," will be published in the autumn. Dr. Milroy is the author of numerous contributions to physiological chemistry, especially the chemistry of the blood-pigments, and, with Professor T. H. Milroy, has published a text-book on "Practical Physiological Chemistry." Mr. Gwynne-Vaughan has been an assistant of Professor Bower's at Glasgow University.

Scots News.

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Dundee.

Mr. A. H. Ross, chemist, 13 Strathmartine Road, Dundee, on July 1 won the Broughty Ferry Golf Club Shield with a score of seventy-seven against his opponent's (Mr. G. B. Simpson) eighty-eight. The final round was over Monifieth Links, and Mr. Ross's play was brilliant throughout.

Mr. William Cummings has received the following from Mr. E. Marsh, private secretary to Mr. Winston Churchill, in reply to his letter regarding the benzine-licence (*C. & D.*, July 3, p. 33):

June 30.—I am desired by Mr. Churchill to acknowledge receipt of your letter of the 24th on the subject of the Finance Bill, and to say that he has forwarded it to the Chancellor of the Exchequer, and that a further reply will be sent to you.

July 1.—With further reference to your letter Mr. Churchill asks me to say that the Chancellor of the Exchequer has promised to give his attention to the points which you raise.

Edinburgh.

The unfavourable weather is having a disastrous effect on the sale of photographic material.

A weekly "hospital" motor run for nurses and convalescent patients of the Royal Infirmary, etc., has been started. Several city medical men and Councillor Wm. Inman (Inman's Stores, Ltd.) lend their cars for the occasion.

The fourth botanical excursion of Edinburgh Chemists,' Assistants', and Apprentices' Association took place on Friday, July 2, when a party travelled to Colinton by the 8.30 P.M. train under the leadership of Mr. William Duncan, Ph.C., F.C.S. Field work was actively carried on during a delightful walk through the Colinton Dell along the banks of the Water of Leith, the return journey being by Craiglockhart to the city.

Glasgow and the West.

The action by Lever Bros., Ltd., Port Sunlight, against the "Daily Record," Ltd., Glasgow, for 50,000*l*. damages for libel, has been privately settled on terms which have not transpired.

The Chief Constable of Glasgow has reported that Sunday trading is increasing in the city, 3,376 shops having been open in 1908, compared with 3,280 the year before. Of the total 224 were drug-shops.

Bowling.

The third annual three-rink bowling match between Glasgow Pharmacists and the Edinburgh Pharmacy Athletic Club was played on the green of the Edinburgh Northern Bowling Club on Tuesday, July 6, when, after a keen contest, the Edinburgh men recorded their first win by the narrow margin of three shots. The scores were:

Glasgow.		*Edinburgh.*	
H. Arthur, J. H. Macintyre, A. McKellar, T. Adam (skip)	17	W. D. Richardson, W. H. Chambers, T. Jardine, C. R. Brown (skip) ...	22
Messrs. Reekie, McVitie, Ross, and Kitchen (skip)	28	J. S. B. Heddle, J. Keddie, J. Hossack, J. Noble (skip)	17
H. Lambie, R. Tocher, D. Moir, J. Moir (skip)	16	J. H. Taylor, J. P. Gibb, J. Nisbet, J. A. Cochrane (skip) ...	25
Total	61	Total	64

On the conclusion of the game the company drove to Bissett's Rooms, Haymarket, where a large and representative company sat down to tea, Mr. J. Rutherford Hill presiding. Among those present were Mr. W. L. Currie (Vice-President of the Pharmaceutical Society), Mr. J. F. Tocher (President of the British Pharmaceutical Conference), Mr. J. P. Gilmour (Chairman North British Branch executive), Mr. D. B. Dott (Chairman of the Board of Examiners for Scotland), Mr. Peter Boa, Mr. Wilson, Mr. Burrell, and Dr. Coull. After tea a very pleasant time was spent in song and story, those contributing to the musical side of the programme being Messrs. Currie, McKellar, Hill, G. H. C. Rowland, E. O. Rowland, Nisbet, and Cochrane. A most enjoyable evening was concluded with the singing of "Auld Lang Syne," and the Glasgow men travelled home by the 9.50 P.M. train from Princes Street Station, when their Edinburgh friends accorded them a hearty send-off.

French News.

(From the "C. & D." Paris Correspondent.)

DUTIES ON BENZOL.—At a Board meeting of the British Chamber of Commerce held in Paris on July 2, correspondence was submitted in reference to the proposed Customs duty of 10f. per hectolitre on benzol, a matter which has special interest for British exporters. An inland duty of 5f. per hectolitre is also proposed.

REPORT ON PROPOSED NEW PHARMACY ACT.—The report of the Committee of Judicial Reform and Civil and Criminal Legislation on M. Bussière's project of a new Pharmacy Act has been drawn up by M. Andrieu. It draws attention to the fact that the conditions under which French pharmacy is exercised have been essentially and profoundly modified since the Law of Germinal confined the pharmacist's business to the dispensing of doctors' prescriptions. "Nowadays there is not a single pharmacist who (except so far as poisons are concerned) does not deliver the various medicaments which he keeps in stock to his *clientèle* without a doctor's prescription," and were Article 32 strictly observed the public would be the first to suffer. The pharmacist, says the report, should not be allowed to trade on the health of the public, but the fruits of his science and research should be secured to him as his legal property. The chief *raison d'être* of a proprietary medicine is the constant identity of a product, so valuable to the medical profession. The manufacture of many modern remedies requires vast works and con-

siderable capital; in fact, the retail pharmacist who produces a product which meets with public favour is often forced to have it manufactured by some wholesale house, although he places his own label on the finished article thus delivered to his pharmacy for distribution. A short Act to put the statute-book in harmony with the real and existing state of things is, in the opinion of the committee, what is required, and a draft of the proposed text is given. This provides that companies or societies formed to run a retail pharmacy (*officine*) shall only be tolerated under the form of a company (*société en nom collectif*) of qualified pharmacists. All establishments for the manufacture and wholesale distribution of pharmaceutical preparations should be in the hands of either (1) a pharmacist, (2) a company including at least one qualified man, (3) a limited company (*société en commandite simple*) including one qualified pharmacist as managing director (*commandité-gérant*), or (4) by a company (*société en commandite par actions*), of which one manager should be a qualified man. These regulations would not apply to the wholesale trade in simple drugs and similar substances, unless supplied to pharmacists packed and labelled (*préparées et divisées*) for retail sale. All medicaments thus prepared and delivered in sealed packets (ready for retailing) to pharmacists to bear name, address, and signature of manufacturer, and name and dose of medical substances which they contain. The fine for infringement of these regulations to vary from 500f. to 3,000f. (20*l*. to 120*l*.).

South African News.

(From the "C. & D." Correspondents.)

Cape Colony.

The Premier and Patent Medicines.—Mr. James Jones, the proprietor of Jones's Rheumaticuro, has taken Mr. Merriman to task for his strictures upon the claims put forth for the preparation, and the editor of the "Cape Times" supports Mr. Jones to the extent of quoting from sixteen testimonials to the remedy, with the names and addresses of the writers.

A Chemist's Bequests.—The will of the late Mr. W. L. Malley, chemist, Capetown, contains a bequest of 5,000*l*. to the Council of the South African College and Dr. D. P. Hahn as trustees, for the establishment and maintenance of a chair in the college for the teaching of some scientific subject for which there was no professorship at the time of the testator's decease. The condition is made that in the selection of such subject the trustees shall be guided by the advice of Dr. Hahn. After bequests to relatives and friends, the executors are directed to distribute one-half of the residue of the estate between charitable institutions in Capetown without regard to sect or creed, such to be selected by the trustees; the other half to be paid to Dr. Hahn to be distributed between such German institutions in Capetown as he shall see fit. Mr. Malley, who was a German by birth, was for many years a partner in the old-established business of Wentzel & Schlezwig, from which he retired about fifteen years ago.

Orange River Colony.

The Monthly Meeting of the O.R.C. Medical and Pharmacy Council was held in Bloemfontein on June 11. Dr. Ward (President) was in the chair, and the other members present were Drs. Bidwell, De Kock, Johnson, Swift, and Yule; Mr. Redpath, dentist; Messrs. Hewitt and Jeffreys, chemists (Mr. Dinwoodie, chemist, was absent through illness); and the Secretary (Mr. Advocate Streeten). It was proposed to define how far medical men may practise dentistry in the Colony by means of a regulation under the powers conferred upon the Council by the Ordinance of 1904, and the matter was left in the hands of the dental member to bring forward later. Whether chemists will be aimed at also did not appear. The Colonial Secretary reported to the Council that, acting upon their instructions, he had caused inquiries to be instituted as to the manner in which the provisions of the Amending Medical and Pharmacy Ordinance of 1907, as regards the sale of poisons by general dealers, were being observed, and it found that on the whole the law was being carried out. In cases where it was found that the law was disregarded the offenders had been warned, and he had instructed resident magistrates that the special licences granted to general dealers to sell certain poisons in districts where there was no chemist were in future to be issued conditionally upon the strict observance of the law. For the assistance of the Government the pharmaceutical members of the Council were requested to draw up a list of articles likely to contain poison, so that the authorities would be able the better to check irregularities, and the chemists agreed to do this upon the medical officer of health (Dr. G. Pratt Yule) promising that the list would be used privately and not issued as an authoritative statement, and that no prosecution of chemists or others would be undertaken until the presence of poison had been proved by analysis. The question of reciprocity between the various Colonies in the exchange of chemists' certificates was again brought up, and it was stated that the Government were not prepared to take any steps in the matter. An application for registration as a chemist was considered from a Dr. von Mengershausen, who had recently been refused registration as a doctor. The applicant submitted a portion of a Free State "Government Gazette," published in 1873, admitting him to practise as a chemist; but it was pointed out by the Secretary that the Free State Law of 1899 (the only one bearing on the question) made no provision for the chemists in practice at that date, although providing for existing apprentices, and that the right of the applicant to claim registration now was questionable. It was decided to submit the case for the opinion of the Attorney-General. Mr. Robt. S. Smiles, chemist and druggist (Gt. Brit. 1890), was admitted to practise in the O.R.C. The Colonial Secretary advised the Council that the Government had approved of the Council's request that all registrations effected by them should be gazetted, and the Secretary was instructed to have this done in the case of all names which had been added since the publication of the current register.

Notes.—The letter from the Colonial Secretary (reported in the Proceedings of the O.R.C. Medical and Pharmaceutical Council) explaining the steps he had taken to enforce the law as regards the sale of poisons, is the outcome of a correspondent's letter to the *C. & D.* of March 21, 1908, which caused the chemists on the Council to bestir themselves, but it is quite probable that the same result would have been attained by writing to the Council direct.—The hesitation of the chemists on the Pharmacy Council, when requested to draw up a list of all the commonly sold medicines containing poisons, is easily understood when it is remembered how much trouble followed the publication of a similar list as forming Schedule III. of the Ordinance of 1904, which was deleted in 1907 by the amending Ordinance. The list in question was drawn up by the Pharmaceutical Society of the O.R.C., and contained a number of the preparations sold under the name of Dutch medicines, the formulæ for which vary according to the whim of the maker. Consequent upon the difficulty experienced by general dealers in selling those which contained poisons, some of the wholesale firms omitted the poison to take the medicines outside the law. Another firm trading throughout all South Africa took the more reasonable step of making a new set of non-poisonous Dutch medicines, while a third and old-established firm refused to alter their formulæ in any way whatever which would assist the general dealer in competing with the chemist. "Borst droppels," a Dutch medicine used for coughs and commonly composed of paregoric, liquorice, and anisated solution of ammonia, was the favourite with the police, and the question was repeatedly asked: "How can the Magistrate decide? The law says Borst droppels is a poison; the makers, supported by the analyst, says it contains no poison," and the position became so absurd that the amending Ordinance of 1907 deleting the patent-medicine schedule had to be passed. The assurance given by the medical officer of health that the list of poisonous medicines was intended only for the information of magistrates to assist them in enforcing the law, should be a source of satisfaction to all chemists in the Colony, and especially those in country districts, who keenly feel the competition of unlicensed dealers in poisons.

Transvaal.

MESSRS. SMITH, RIVE & CO., LTD., have disposed of their Hospital Hill business to Messrs. W. T. Keating & Co. Mr. Keating was their manager for six years, and he will continue the sole control of it.

PHARMACY LEGISLATION.—A draft Bill was introduced into the Legislative Assembly and read a second time on June 9, to further amend the Medical, Dental, and Pharmacy Ordinance No. 29 of 1904. The new Bill does not make any radical alterations in the law, but merely provides (1) for the making, altering, or rescinding of regulations by the Governor in Council, prescribing the manner in which all future elections of the Transvaal Medical Council and Transvaal Pharmacy Board shall be conducted. Penalties of fine or imprisonment for contravention of such regulations are provided for, not exceeding, in case of a fine 50*l*., or, in case of imprisonment, six months with or without hard labour. The Bill provides that such regulations, or any alteration or rescission, shall within seven days of publication be laid upon the tables of Parliament. The Bill also provides that a registration certificate entitling the holder to practise as a medical practitioner may, upon

"the recommendation of the Transvaal Medical Council, be granted to any person being a British subject born or domiciled in any Colony or territory of British South Africa, who has proceeded outside South Africa for the prosecution of his studies and has obtained the degree, diploma, or certificate after examination by any such University or State Examining Board as is described in the next succeeding section, which entitles him as regards professional qualifications to practise as a medical practitioner in the country in which that University or State Examining Board is situate. . . . The Governor in Council may from time to time prescribe that the degree, diploma, or certificate granted after examination by any University or State Examining Board whose curriculum and standard of examination required for such degree, diploma, or certificate is not lower than that prescribed by the General Council of Medical Education and Registration of the United Kingdom, shall entitle the holder thereof, being such a person as is described in the last preceding section, to make application for registration as a medical practitioner in this Colony."

OPIUM TRADE LAW.—A Bill to amend the Opium Trade Ordinance of 1906 has been introduced this Session in the Legislative Assembly to further regulate the purchase, sale, and possession of opium in the Transvaal. The Bill provides that for six months immediately succeeding the promulgation of the Act, but not afterwards, any district surgeon may, in his discretion, grant a permit to possess opium or extract of opium to a person residing in his district—

(*a*) Who, in his opinion, acquired the habit of opium-smoking or opium-consumption prior to that date; and
(*b*) whose health would, in his opinion, be detrimentally affected by an immediate discontinuance of that habit.

The permit shall specify the quantity, which shall not exceed four ounces for one calendar month. Such permit is sufficient authority to a registered chemist and druggist to sell to such person the specified quantity of opium or extract of opium, on being furnished with his name and address and finger imprints. For medicinal purposes opium or its extract may be supplied by registered chemists and druggists upon prescription; but every prescription of a medical practitioner which prescribes opium for medicinal purposes shall state:

(*a*) The quantity which may be sold or supplied thereon, which shall in no case exceed half an ounce fluid extract;
(*b*) That the extract of opium is prescribed for a particular ailment or disease, the ailment or disease being named;
(*c*) The name and address of the person for whom it is prescribed;
(*d*) The full name, address, and qualifications of the medical practitioner.

The new law forbids any person, save as provided, to be in possession of opium, or pipes, or receptacles used in opium-smoking, nor is any person allowed to keep premises for opium smoking or consumption. The law provides for stringent penalties, the removal of alien offenders from the Colony, and the destruction of opium forfeited. It also provides for a reward up to 20*l*. for informers of infractions of the law.

Colonial and Foreign News.

A CHEMICAL-FACTORY, with a capital of 300,000 yen, is to be established in the Shizuoka Prefecture by Mr. Kihachiro Okura.

GERMAN POTASH SYNDICATE.—A new potash syndicate, with headquarters at Berlin, has been formed, and will begin operations on the expiry of the present arrangement next year. All works owned by members will be placed under the syndicate, which will run them for five years. The Ascherleben and Sollstedt works have not yet joined, and a final decision has been postponed until July 8. The members of the new syndicate declare that the adherence of these two works is a condition for the establishment of the syndicate.

BRITISH PATENT ACT AND GERMANY.—According to a Reuter's telegram from Berlin, dated July 1, an official representing the Imperial Government in the Petitions Commission of the Reichstag stated during the discussion of the petition presented by the Industrialists' Union regarding the new British Patents Law that the Imperial Government had approached the British Government with a view to the removal of the clause enforcing the working of foreign patents in England, but the British Government had replied that it could only enter into negotiations upon the matter after it had gathered sufficient experience of the working of the new law.

GERMAN SPIRIT TAXATION.—The second reading of the Spirits-taxation Bill took place in the Reichstag on July 4 after a stormy debate of almost ten hours. Previously the consumption-tax was 105m. per hectolitre on home-distilled spirit not in excess of the legally established quota (contingent) for each distillery and 125m. per hectolitre on spirits manufactured in excess of the quota, but the new Government scheme (according to the "Frankfurter Zeitung") fixes the excise duty within the limits of the contingent at 125m. (from October 30, 1910, at 130m.), while production in excess of the contingent will be taxed at the rate of 140m. It may be recalled that after the rejection of the Government proposal of an Imperial spirit-monopoly the Conservatives promoted a scheme of increased taxation of spirit which, while providing the Empire with a certain amount of fresh revenue, should safeguard existing agrarian privileges. The present Bill not only retains but practically perpetuates the so-called "liebesgabe" (bounty) or favoured treatment of distilleries. The tax on perfumery and cosmetics proposed by the Finance Minister was unanimously rejected.

TRADE-MARKS IN JAPAN.—The latest information in regard to trade-marks in Japan is given in the current issue of the "Board of Trade Journal," which British exporters and manufacturers doing business with Japan would do well to take note of. During the past six months we have drawn attention on several occasions to the registration and standing of trade-marks in that country, and it is of interest to note that the position, according to our Commercial Attaché at Yokohama (Mr. E. F. Crowe), has improved. Mr. Crowe states that "the examiners of the Patent Bureau appear to be devoting considerable care to seeing that persons do not obtain registration for marks which do not belong to them, and thus the profession of piracy and blackmail has received a serious set-back; at the same time, it is impossible for the examiners to be acquainted with all the many thousands of British marks, and owners whose goods are likely to come to Far Eastern markets are therefore advised to take the trouble to bring their marks to the notice of the authorities. . . . Registration does not cost more than about 6*l*. per mark, with all fees included, and if there are several marks a reduction in the patent-agent's charges can generally be obtained. . . . A revised law has, however, been promulgated in which many improvements have been introduced, and as the new law will probably come into effect next autumn, it is to be hoped that most of the awkward trade-mark questions which now arise will disappear, although it would be too much to expect that all imitations of foreign goods will vanish. It is, perhaps, worth pointing out that the Patent, Design, and Utility Model Laws have also all been revised, and that the new laws will probably come into effect in September 1909."

Legal Reports.

Trade Law.

Cash-register Prices.—At Belfast Quarter Sessions last week, E. M. Allen & Sons, hotel keepers, Cookstown, Co. Tyrone, sued Joseph Riordan, Belfast, to recover 20*l.* 15*s.*, alleged to be due in connection with an undertaking given on December 19, 1904, to refund the difference in the price paid for a cash register and the present price. Plaintiffs purchased a cash register from the defendant for 39*l.* 15*s.*, and the defendant undertook that if the price of that pattern of register were reduced at any time within five years he would refund the difference. The price has been reduced to 13*l.* Counsel for the defendant said that the document was not a guarantee, but an indemnity. Defendant signed it as "sales agent" for the National Cash Register Co., Ltd. The same style of machine is now worth 30*l.* secondhand, but is no longer on the market. The register sold at 13*l.* was quite different. The Recorder dismissed the case on its merits.

Guaranteed to Cure.—An appeal in the case of Logan *v.* Campbell (*C. & D.*, April 17, p. 590) was heard by the Judges of the Second Division of the Court of Session, Edinburgh, on June 3. This is an action against John Archibald Campbell, 59 Clyde Place, Glasgow, for payment of 50*l.* 6*s.*, which pursuer says he is entitled to under the following circumstances: The defender advertised "Campbell's Old Gipsy Ointment; pain and itching banished with the first application, or money refunded. Guaranteed to cure, or forfeit 50*l.*" Pursuer (who was troubled with pimples and itch of the legs) called upon the defender on various occasions and bought jars of ointment and other medicines from him. For eight weeks he applied the ointment without beneficial result. He therefore sues for 50*l.*, and 6*s.* which he spent on the medicines. The defender pleads that he never guaranteed to cure pimples, and that in any event, if the pursuer did purchase the ointment, he did not apply it as directed, and did not persevere in its use and give it a fair trial. In the Glasgow Sheriff Court, Sheriff-Substitute Boyd dismissed the action as irrelevant, but on appeal to Sheriff Principal Gardiner Millar, a proof was allowed. Against this the defender appealed, but the Second Division upheld the Sheriff-Principal's decision, and sent the case back to the Sheriff Court for proof.

High Court Cases.

Sulphuric Acid Patents.

In the Court of Session, Edinburgh, Lord Salvesen has closed the record and allowed a proof in an action by the Badische Anilin und Soda Fabrik, Germany, against Nobel's Explosives Co., Ltd., for interdict against the infringement of certain patents, and for 15,000*l.* in name of damages. There are five patents relating to the continuous process for producing sulphuric anhydride by the contact process, the plaintiffs claiming exclusive right to a process in which the gases from pyrites are purified from arsenic, mercury, and phosphorus before introduction to the contact mass. Another interesting feature of the invention arises from a discovery by the patentees that after the sulphur dioxide and oxygen had united in the contact mass excessive heat was generated, with the result that the sulphuric anhydride decomposed into sulphur dioxide and oxygen. The invention accordingly provided means for regulated cooling of the contact mass. It is claimed that by a combination of these two inventions practically continuous manufacture yielding 99 per cent. of sulphuric anhydride results. The defence to the action is anticipation and prior use by a firm in Silvertown, near London.

Ammonia Soda Co., Ltd.

In the King's Bench Division on Friday, July 2, Mr. Justice Pickford heard an action brought by Mr. John Henry Davies, of Cheadle, Chester, against Mr. Arthur Chamberlain, Birmingham, and Mr. Ivan Levinstein, to recover the sum of 5,000*l.*, which plaintiff alleged was due in respect of breach of an agreement to allow plaintiff the option of finding, as original subscriber, one-third of the capital of the shares in a company known as the Ammonia Soda Co., Ltd., formed to develop brine which had been discovered on the Holford Estate, at Plumbley, in Cheshire. His Lordship has reserved judgment.

Mr. Fulford's Will.

The Judicial Committee of the Privy Council, comprising Lord Macnaghten, Lord Dunedin, Lord Collins, and Sir Arthur Wilson, heard on July 7 the appeal in Fulford *v.* Hardy and Others, from a judgment of the Court of Appeal for Ontario of April 21, 1908, affirming a decree of Mr. Justice Riddell's. The action was brought for the construction of the will of the Hon. George Taylor Fulford, who amassed a large fortune as manufacturer of Dr. Williams's Pink Pills for Pale People. His estate, apart from the value of his business, was proved at over $4,000,000; the business was valued for the purposes of fixing the succession duties at $1,000,000, and was said to be producing a revenue of over $100,000 per annum. The will of the testator, who died on October 15, 1905, was dated February 12, 1902, and two codicils were subsequently executed the first on November 15, 1902, and the second October 15, 1905. He left surviving him his wife and three children—viz., the two respondents, Mrs. Hardy and Mrs. Shirreff, and the plaintiff, George Taylor Fulford, who is now seven years of age. By the will Mr. Fulford directed that his business should be formed into a joint stock company or companies, and he gave his wife the use for life of his residences and yacht, and annuity of $25,000. To each of his daughters he bequeathed an annuity of $12,000 until they should respectively attain the age of twenty five, and he directed that a residence should be provided for each at a cost of $50,000. The appellant was not born at the date of the will, but suitable provision was made for the support, maintenance, and education of another child or children, if any should be born. The substantial issue between the parties in the suit was whether under certain clauses of the will the surplus income of the estate accumulated for the benefit of the estate or for the benefit of each child to be paid out to him or her on attaining the age of twenty five. The Committee heard counsel on both sides, and Lord Macnaghten intimated that they would take time to consider their judgment.

Pharmacy Act, 1868.

A Section 17 Case.

At Ipswich Police Court on July 1, before the Mayor (Mr. F. C. Ward) and other Magistrates, Cornell & Cornell, Ltd., chemists, 14 Tavern Street, Ipswich, were summoned by the Pharmaceutical Society for selling poison contrary to the conditions of Section 17. Mr. E. P. Ridley appeared for the Society, and Mr. A. S. Leighton for the defendants.

Mr. Ridley explained that the offence was selling a scheduled poison without labelling it "Poison" and the name of the seller as required by the Act, Section 17, providing that the person on whose behalf a sale is made is deemed to be the seller.

George Waldock, a retired detective inspector of the Metropolitan Police, was the first witness for the prosecution, and deposed that on May 15 he went into defendants' shop and asked for twopennyworth of soap liniment and twopennyworth of laudanum mixed. He was served by an assistant, who gave him the mixture in the bottle produced. He handed it to Mr. Moon, of the Pharmaceutical Society, after placing his initials and the name of Messrs. Cornell & Cornell upon it. Cross-examined, witness stated that it was on May 18 he handed the bottle to Mr. Moon. There was no water paper on the cork. He paid similar visits to other chemists in the town, but there were not similar results.

Harry Moon, 17 Bloomsbury Square, London, identified the bottle produced as the one he received from Mr. Waldock. He kept it in his possession until June 9, when he handed it to Mr. Tickle for analysis.

Thomas Tickle, F.I.C., proved that he found morphine in the mixture.

Mr. Leighton submitted that the company could not be proceeded against; action, he argued, must be taken against the assistant who actually sold the poison.

Mr. Ridley, in reply, pointed out that a corporation can be sued under Section 17, and in support of this view quoted from the judgment of Lord Chancellor Selborne in the Pharmaceutical Society *v.* the London and Provincial Supply Association, Ltd., where the difference between the provisions of Sections 15 and 17 was recognised.

The Magistrates, after consideration, decided that a corporation can be sued under Section 17.

Evidence was then led for the defence.

J. R. Cornell, managing director of the defendant company, said that they employed a qualified manager in the

shop and took all possible steps to see that the provisions of the Act were carried out, supplying all the necessary labels for that purpose. The bottle produced had on it a label which was used only for doctors in the dispensing department. The omission of the labels as required by the Act in this instance was an accident.

Mr. Leighton, dealing with the merits of the case, said that the defendants employed a qualified chemist in addition to members of the firm, and they were not personally responsible for the offence. He submitted that if the Bench did consider there should be a conviction, it was not a case for a heavy penalty.

The Magistrates then retired, and on returning said that the Bench felt bound to convict, and imposed a penalty of 1*l.*, with 7*l.* 1*s.* costs.

Sale of Food and Drugs Acts.

Zinc Ointment Sold for White Precipitate Ointment.

Before the Birmingham Justices on July 2, Charles Mantell, Claremont, Powis Road, Ashton, Preston, was summoned under Section 6 of the 1875 Act for selling at his shop, 31 Cregoe Street, Birmingham, zinc ointment when white precipitate ointment was asked for. Mr. Prideaux, who prosecuted on behalf of the City Health Committee, said the most serious aspect of the case was that white precipitate is a poison scheduled under the Pharmacy Act of 1908, and could not therefore be sold by the defendant, who is not a registered chemist. He should have referred the person asking for it to the nearest registered chemist, instead of which he chose to supply something that was not asked for. Moreover, there was a considerable profit made by the substitution, inasmuch as the precipitate ointment cost 3*s.* per lb. and the zinc only 1*s.* 3*d.*

Evidence of the purchase of the sample was given by Elizabeth Pritchard and Chief Inspector H. I. Jones. The latter said that when informed that the sample had been taken for analysis, and that in the previous week he had supplied zinc instead of precipitate, the manager of the shop, a man named Wilson, replied that it was not safe always to give the public what was asked for.

Mr. J. F. Liverseege, the city analyst, said the sample would be more correctly described as weak zinc ointment, because it contained only 7 per cent. of zinc oxide, instead of 15 per cent. It had nothing whatever to do with white precipitate ointment.—The Clerk: Then the man might have been charged with obtaining money by false pretences?—Witness: Certainly.

The defendant pleaded guilty, and described the prosecution as a needless elaboration of a matter so small as a pennyworth of vermicide. He pointed out that a sample of pills he had previously supplied was found to be correct, and asked the Magistrates to believe that he had not made the substitution in order to make a pecuniary gain.

A fine of 40*s.* and costs was imposed, the Chairman of the Bench (Mr. J. F. Braime) remarking that it did not rest for the defendant to judge what the public should have when a specific article was asked for.

Vinegar.

Joseph Pigney, grocer, Ditchingham, was summoned at Loddon (Norfolk), on June 30, for selling as vinegar coloured dilute acetic acid. Defendant said the inspector was told that the article was not malt vinegar. The prosecution contended that "vinegar" is malt vinegar. For the defence it was urged that there is no standard for vinegar, and the Bench, taking this view, dismissed the case.

Almond-oil.

At Rotherham (W.R.) Police Court on July 5, before Mr. B. J. Young and other magistrates, the Sheffield Drug Co. (Cash Chemists), Ltd., were summoned for selling at their Tinsley shop some almond-oil which the public analyst certified to contain 50 per cent. of peach-kernel oil. The offence was admitted, and Mr. W. M. Gichard, Rotherham, for the defence, explained that on the bottle from which the oil in question was taken there was a Latin label which read "Ol. Amygd. D." the letter "D" standing for "dulce"—sweet. This letter had been altered to "P" before the present manager took over the shop. The alteration was intended to signify "peach-kernel oil," but had not been clearly made, so that the manager believed he was selling sweet-almond oil. The summons was dismissed on payment of costs, one guinea.

Bankruptcy Report.

Re Jonas Henry Lewis, Lleban Lodge, Norfolk Road, St. John's Wood, Chemist and Druggist.—An application for an order of discharge was made to Mr. Registrar Brougham at the London Bankruptcy Court on July 2 on behalf of this bankrupt, who failed in December 1906. Mr. G. W. Chapman, Official Receiver, reported that a sum of 117*l.* 16*s.* was realised in respect of the estate, and a first and final dividend of 2*s.* 7*d.* in the pound was declared on proofs amounting to 423*l.* 2*s.* 1*d.* The bankrupt commenced business as a chemist at 22 Great Portland Street, W., in 1881, having then a capital of 200*l.* Four years later he opened another shop at 205 Finchley Road. In March 1895 the former business was taken over by a company, of which the bankrupt became a director, receiving at first a fee of 150*l.* and latterly 100*l.* per annum. The Finchley Road business was also transferred to a company in August 1901, and the bankrupt acted as director without remuneration until 1902, when he sold the greater part of his holding and retired from the Board. In 1889 he opened a shop at North End, Croydon, which he carried on as Henry's Cash Drug-stores until 1902, when he closed it, having made a considerable loss on the undertaking. The bankrupt attributed his failure to borrowing money to clear off the debts of the Croydon business and to the action of the petitioning creditors, whom he regarded as fully secured. On the ground of insufficiency of assets to pay 10*s.* in the pound to the creditors, the discharge was suspended for two years. Order entered accordingly.

(*See also Coloured Supplement.*)

Gazette.

Partnerships Dissolved.

Bryden, F. W. A., and Bond, B. W., physicians, etc., Godalming, under the style of Bryden & Bond.

Greenwood, A. Y., and Stoker, F., general practitioners, Accrington, Lancs, under the stylo of Greenwood & Stoker.

Longinotto, M. J., Hill, W. de M., and Bain, W., medical practitioners, Russell Square and Gerrard Street, Soho; so far as regards W. Bain.

Pittuck, F. W., and Snowdon, J. C., wholesale chemists, etc., under the style of Pittuck & Snowdon.

Rutherford, R. K., and Gold, J. A., veterinary surgeons, Bromsgrove and Droitwich, Worcs., under the style of Rutherford & Gold.

Young, F. C., and Robinson, W. E., physicians, etc., Twyford and Sonning, Berks, under the style of Young & Robinson.

The Bankruptcy Acts, 1883 and 1890.

Receiving Order.

Cullwick, George, Fulham Road, Kensington, S.W., chemist.

Adjudications.

Cullwick, George, Fulham Road, Kensington, W., chemist.

Fowlds, Wm., Keighley, Yorks, chemist and druggist.

New Companies and Company News.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

Olympia Oil and Cake Co., Ltd. (P.C.).—Capital 150,000*l.*, in 1*l.* shares. The first directors are C. Watson and J. Watson. R.O., 9 Whitehall Road, Leeds.

Record Film Trading Co., Ltd. (P.C.).—Capital 500*l.*, in 1*l.* shares. The first directors are P. Rittener and L. Shrapnel. R.O., 31 Norfolk House, Laurence Pountney Hill, E.C.

Glaro Metal Polish Co., Ltd. (P.C.).—Capital 250*l.*, in 1*l.* shares. Objects: To acquire and carry on the business of J. C. Tinker and E. P. Searborough, Haugh Shaw Road, Halifax, metal-polish and chemical manufacturers, etc. R.O., as above.

Mortibus, Ltd. (P.C.).—Capital 1,500*l.*, in 1*l.* shares. Objects: To manufacture "Mortibus," catchers or destroyers

of vermin, etc. The first directors are J. Sinclair, H. E. Oldham, and W. W. Chato (all permanent). R.O., 30 Borough High Street, S.E.

P. W. Hall, Ltd. (P.C.).—Capital 10,000*l.*, in 1*l.* shares. Objects: To acquire and carry on the business of P. W. Hall, of 23-32 Kyle Street and 92-94 Dobbies Loan, Glasgow, oil refiners, paint manufacturers, etc. The first directors are P. W. Hall, J. Hall, and J. B. Hall. R.O., as above.

Kuro, Ltd. (P.C.).—Capital 31,000*l.*, in 1*l.* shares (1,000 5-per-cent. cumulative preference). Objects: To acquire and carry on the business of J. A. Cowood and Anne Cowood (Kuro Co.), wholesale druggists, chemists, drysalters, and general dealers, 60 Hunslet New Road, Leeds. The first directors are J. A. Cowood, Miss Anne Cowood, M. Cowood, Mrs. A. M. Cowood, G. L. Brooks, Mrs. E. A. Brooks, H. Watson, Mrs. M. A. Watson, and R. Hargreaves. R.O., 25 Grace Street, West Street, Leeds.

National Drug and Chemical Co. of Canada, Ltd.—The warrants for dividends due on the preference shares were posted on June 30.

Apollinaris & Johannis, Ltd.—The directors, after writing off all advertising expenditure, have resolved to recommend a dividend of 2½ per cent. on the ordinary shares for the year ending March 31, 1909. They further recommend that 15,317*l.* be carried forward.

J. S. W. Preparations, Ltd.—The fifth annual general meeting of the shareholders of this company was held at the offices, 27 Clement's Lane, E.C., on July 2, when the trading accounts for the year ending March 31 were submitted and adopted. These showed that the volume of trade done had been substantially the same as in the preceding year, and a dividend of 7½ per cent. on the ordinary shares was declared, this also being as in 1907-8.

Watkins, Ltd. (Hong-Kong).—The tenth annual meeting was held on May 29, Mr. G. A. Watkins presiding. He said: "As you all know, 1908 was a year of intense depression, and was accompanied by a falling exchange and necessitated the utmost care and caution both as buyers of stocks and sellers of goods. Every possible economy consistent with proper efficiency was effected, resulting in a profit. The storm-clouds are now happily passing away. In view of the fact that the net profit is slightly below $12,000, and after taking into consideration the advisability in the interests of shareholders of consolidating the business as rapidly as possible, we decide to follow the practice of the last four years and forego the kudos usually accruing to the management when a dividend is declared." The report and accounts were adopted.

A. S. Watson & Co., Ltd. (Hong-Kong).—The annual meeting was held at Hong-Kong on May 29, Mr. J. A. Jupp presiding, who said: "Your general managers and consulting committee regret that the results are not of a more favourable character. The severe depression was still in evidence during the past year, and more particularly in Shanghai and over northern branches generally. The Bund branch of Mactavis & Lehman showed a great falling-off in the returns, and it was decided to close it as far as retail business is concerned. The Tientsin branch was moved into new and much-improved premises in August last; the business done latterly shows considerable improvement. The gross returns for the whole business were larger than in the preceding year, but not sufficiently so to make up for the heavy fall in sterling exchange which was responsible for decreased profits. The loss on subsidiary coins reached the large total of $17,005. The Foochow branch was finally closed in May last, and the business formerly done there is now being carried on by an agent." The report was adopted.

Mortgages and Charges.—Particulars of the following have been registered at Somerset House, in each case the company's property and uncalled capital having changed: *Cosmo Chemical Co., Ltd.* Debenture 120*l.*, to Dr. H. T. Woodward, 63 Addison Road, Kensington, W.—*Durafort & Co., Ltd.* 5,000*l.* debentures created June 3, present issue 3,900*l.*—*J. H. Haywood, Ltd.* 4,500*l.* debentures created June 21 and now issued.—*Lubroleine Oil Co., Ltd.* Debentures 200*l.*, issued May 19.—*Charles Massey & Son, Ltd.* 1,100*l.* debentures, issued June 26.

Receivers' Appointment.—The following notifications of the appointment of receivers for the companies named have been filed at Somerset House, in each case debenture-holders having moved in the matter: *Bloomer, Fletcher & Co., Ltd.*, A. E. Percy, C.A., Dudley.—*Hartlepools Wood Distilling Co., Ltd.*, J. T. Heppel, West Hartlepool.—*Lubroleine Oil Co., Ltd.*, F. J. Duck, F.S.A.A., 1-2 Bucklersbury, E.C.

Mexican Chicle.—The exports from Vera Cruz in 1907-8 amounted to 748 tons (80,915*l.*), against 551 tons (66,474*l.*) in 1906-7, and 445 tons (48,144*l.*) in 1905-6.

Apprenticeship to Companies.

Irish Deputation to Mr. Birrell.

In his private room at the House of Commons on Tuesday afternoon, July 6, Mr. Augustine Birrell, K.C., M.P., Chief Secretary to the Lord Lieutenant of Ireland, received a small deputation representing the Irish chemist-companies in reference to the apprenticeship question. The deputation comprised Mr. T. H. Sloan, M.P., Sir Thomas Robinson (Messrs. Hayes, Conyngham & Robinson, Ltd., Dublin), Dr. Clarke (Messrs. John Clarke & Co., Belfast), Mr. S. P. Boyd (Messrs. Boileau & Boyd, Ltd., Dublin), and Mr. W. C. Dobbin (Messrs. William Dobbin & Co., Belfast).

Mr. Sloan having formally introduced the deputation, Mr. Birrell incidentally remarked that it so happened that he knew something about the English Bill, so that he was not altogether unfamiliar with the points at issue.

The Case Opened.

Sir Thomas Robinson said the deputation had requested him to lay the case before the Chief Secretary. To a certain extent his firm was not so much interested in the question as the other gentlemen present. The company which he represented was so formed as to come within the law as it had been interpreted during the last twenty years, and provided in the articles of association that the shares could only be held by qualified chemists or apothecaries. Matters were not progressive in the trade on account of the restrictions which were imposed, and they were trying to put them right. The Pharmaceutical Society had the power to make regulations for the examination of persons, and among them was one requiring persons who desired to be examined to serve an apprenticeship for a period of four years.

Mr. Birrell: That is, the Pharmaceutical Society of Ireland?

Sir Thomas Robinson replied that that was so. It was established under the Act of 1875, and before that, of course, there was no Society. In Ireland as well as in England trading by limited companies had excited very great hostility on the part of the Pharmaceutical Society. A case was decided in England in 1868 culminating in the Irish Society refusing to take certificates of apprenticeship on the ground that limited companies could not sign the certificate. A case was fought out in the Queen's Bench Division in Ireland twenty years ago, and the Court held that as the company had unqualified shareholders its apprentices could not obtain their certificates. His own company, which was one of the principal ones to be formed in Ireland, provided that only chemists and apothecaries could hold ordinary shares. So great, however, was the hostility of the Pharmaceutical Society that when their first apprentice went up they refused him, and they had to proceed by mandamus in the Queen's Bench Division. The argument in the Queen's Bench Division was that they were a limited company, but the Court unanimously held that they were duly qualified pharmaceutical chemists.

Mr. Birrell: On that ground—that your ordinary shares were held by qualified shareholders?

Sir Thomas Robinson replied in the affirmative, and went on to say that it was held that his limited company could give certificates. Theirs was the only case in the country of that kind. Matters had gone on since in an unsatisfactory way until last year, when the Department of Agriculture in England promoted a Bill to extend the powers for selling certain agricultural and horticultural poisons outside the Pharmaceutical Society. An opportunity was taken at the same time of endeavouring to settle once and for all this vexed question of the limited company. A clause was accordingly inserted and it was agreed to. The President and some of the other members of the Pharmaceutical Society in Ireland came over and agreed to the clause which would have set the matter right in Ireland, but when it was submitted to Mr. Herbert Samuel, M.P., who was the Minister in charge of the Bill, he intimated that unless the parties were agreed on the matter he could not promise to include the clause in the Bill then before Parliament.

Mr. T. H. Sloan, M.P. : And it was also late in the Session.

Sir Thomas Robinson said the consent of the limited companies was asked, and the reply was, "Yes, provided that it covers our apprenticeship question." The Pharmaceutical Society, on the other hand, said, "No; we cannot undertake that. We cannot cover the apprenticeship question; it is quite impossible." And they refused to take the clauses, and consequently the limited companies were advised that the clauses were of no use and so they did not give any more than they had at the present day.

Mr. Birrell : In England, as I understand it, there never has been any difficulty. The difficulty of the apprenticeship question has never occurred here.

Sir Thomas Robinson rejoined that that was the aggravating part of the matter. In England evidence that the candidate has had experience in the compounding of medicines is merely required.

Mr. Birrell : Is it quite clear that the Pharmaceutical Society has the power to make by-laws?

Sir Thomas Robinson replied that one of the Judges, on the occasion referred to, said he believed that the regulations were *ultra vires*.

Mr. Birrell : But is it perfectly clear that they are right in refusing to allow certificates of apprenticeship to be given by the limited companies?

Sir Thomas Robinson replied that he thought they were wrong. The Privy Council of Ireland had approved; he thought that that ought to be set right. The Council in Ireland was at liberty to go to the Privy Council and obtain their sanction for new rules and regulations without giving any public notice whatever in regard to the matter.

Mr. Birrell : That would not authorise a by-law which was altogether *ultra vires* even if sanctioned by the Privy Council. It is not within the power of the Privy Council by drafting rules to allow the Society to pass a rule which is not within its power.

Sir Thomas Robinson added that in addition to that the form required by the Society was very serious and required to be filled up by a person carrying on business on his own account. Altogether they felt that they were labouring under a very great injustice in regard to this matter. The Council of the Society in Ireland did not believe in trading by limited companies but thought that it should be carried on by individuals. On the other hand, they—the representatives of the limited companies—considered that the development of their profession or business was being very greatly harassed by reason of the fact that these great principles could not be applied to it that were applied to ordinary commerce. They felt that they ought not to be handicapped in the matter of apprenticeships, and that the apprentices should not be allowed to suffer in this way, but should be able to get a certificate.

Other Arguments.

Mr. S. P. Boyd said he represented a private limited company, whereas Sir Thomas Robinson represented a public one. They had had several cases where young men had served as apprentices to their firm, and they had sent in a form of declaration appended to the Act so altered as to suit their particular case. The Pharmaceutical Society refused to accept that, or to allow the young men who served apprenticeships to their firm to go up for examination. That was a hardship, and all they asked was that the state of things existing in England should be made applicable to Ireland. The registration of limited liability companies with properly qualified managers should be legalised and the grievance in regard to the apprentices met.

Mr. Birrell : There has never been anything like it in England?

Mr. Boyd replied in the negative, and added that the Act of last year was required on account of the exemptions from penalties in respect of the selling of poisons enjoyed by limited companies in England.

Mr. Birrell : The object of the Act was to bring limited companies within the law. This Act allows a body corporate to carry on the business of a pharmaceutical chemist.

A member of the deputation pointed out that apprenticeship was not necessary in England. Evidence of experience only was required.

Mr. W. C. Dobbin said the real point was the apprenticeship question. This Act would recognise the status of companies which had hitherto been on mere sufferance. What they wanted was that their apprentices should be allowed to go forward for examination.

Mr. Birrell : There are apprenticeships in England.

Mr. Dobbin said that was not so. They said also that it had been stated that the Pharmaceutical Society had from time to time received certificates from certain persons which they were not legally entitled to receive, and that certain people had been favoured by them. These cases had been brought under their notice by public letters in the columns of the *C. & D.*, a responsible trade journal, and no reply had been forthcoming.

Mr. S. P. Boyd : I do not know that we have absolute proof of that.

Mr. Birrell : Could it be said that companies such as you represent are legally qualified pharmaceutical chemists?

A Member of the Deputation : That was the subject. It was held that it would apply to the limited company if every member was qualified; otherwise, not.

Are Fresh Powers Necessary?

Mr. Birrell : It is within their power without legislation—which always presents difficulties in these days—it is within the power of the Pharmaceutical Society if they choose—and I do not suppose they do—by an alteration in their regulations to get over that difficulty. They could if they liked, clearly—I think now there is no question whatever about it—if they took a declaration from a member of the firm. That is the true way of looking at the thing. The Act says that a body corporate can carry on the business of a pharmaceutical chemist and a chemist and druggist provided that it is under the control and management of a duly registered chemist. That is the *raison d'être*. That is the rational view that a chemist is not debarred from turning his business into a limited company or a limited company from carrying on the business of chemists if there is on the premises a duly registered chemist who has sole control of the management and who does not act in a similar capacity for any other corporation.

Mr. Boyd : All we ask is that that should apply to Ireland.

Mr. Birrell : And then you have this apprenticeship system, to which you attach importance, as I do myself, as I consider it a very good thing. What you want is that the certificate should be given and signed by the person—the chemist—under whose control the management of the business is, and that he should be able to fill up the schedules of the Act which say : "I, ——, residing at ——, hereby declare that —— has completed with me the full term of years," etc., and sign on behalf of the company. You cannot be apprenticed to a company, and I don't think you ought. Apprenticeship ought always to be in theory to the individual. Take the ordinary clerk to a solicitor. He is never articled to the firm, but to an individual member of the firm.

Mr. Boyd : In our case I tried it and bound the young men to myself personally, but the Society refused to accept my certificate on the ground that I did not keep open shop.

Mr. Birrell : Oh, I think that's monstrous. I think it is unreasonable—I won't say monstrous. In Ireland we always say "monstrous." (Laughter.)

Sir Thomas Robinson : They will not recognise an indentured apprenticeship. In England all that is required is evidence that the young man has had experience.

Mr. Birrell : Is there any stamp on the apprenticeship?

Mr. Boyd : No.

Sir Thomas Robinson : Except boys paying a fee.

Mr. Birrell : How long is the period usually?

Sir Thomas Robinson : Four years. I don't know whether you have our suggested clause relating to apprentices. [The clause, which was handed in, was as follows : "And for the purposes of those Acts, and any regulations made thereunder, service as apprentice or assistant to a body corporate carrying on business in accordance with the requirements of this sub-section shall be deemed to be service as an apprentice or assistant to an individual lawfully carrying on the like business."]

Mr. Birrell : I was just thinking how far it could be done by arrangement—by inducing the Pharmaceutical Society to

alter its rules. I am not at all sure that it may not be desirable to prepare a document, signed by a number of companies, of the highest respectability and standing, formulating a request to the Society to the effect that, having regard to recent legislation and the fact that it is perfectly clear now that the companies have a legal footing, and that they are all carried on under the control and management of a duly qualified person to whom a young man could be apprenticed, and that in these cases a certificate could be given by a properly constituted person to the effect that the young person had served his time with them, whether they would not at this time of day alter their rules accordingly.

Sir Thomas Robinson : I am sorry to tell you that we have already done that.

Mr. Birrell : I think the correspondence which has passed says that after the deputation withdrew the Council considered the point, but that the letter did not give definite information, and that until the same was supplied the Council would not be in a position to consider the question.

Sir Thomas Robinson pointed out that if the clause were enacted there could be no bogus companies. By bogus companies the deputation alluded to the case of certain old firms which were in the habit of selling poisons, and when prosecuted by the Society, immediately, in order to protect themselves, turned their businesses into companies. They called those bogus companies. They were formed in order to evade the law. If these enactments became law there would not be such a thing as a bogus company.

Mr. Boyd : We mean companies which are constituted without a qualified manager. If a company is properly constituted and has a qualified manager, it ceases, of course, to be bogus.

Mr. Dobbin : You will see that the statement put before the Pharmaceutical Council embodies the case.

Mr. Birrell : But you do not answer their letter. I am trying to point out that your letter does not give the information asked for. I do not think there is very much in joining a deputation of the Irish chemists. That does not carry the matter very much farther. The thing is as to whether, for the purpose of laying your case, it would not be well to get a definite refusal from these people. That leads us to the next question, What about the Bill? Of course, nowadays in the present congestion of official business it is about as easy to get an Act through Parliament as to get into the kingdom of heaven. (Laughter.) It is a difficult job! This Session, of course, it is out of the question. Then as to next Session. The Act of last year was only obtained on the promise that it was an agreed Bill. Any opposition to it would have been fatal. People, moreover, would not sit up until three or four in the morning fighting the battle of the pharmaceutical chemist. That is the difficulty we are in. Would the Bill be opposed? It would obviously be opposed by the Pharmaceutical Society. You might introduce a Bill of one clause dealing with the apprenticeship question. There would be no difficulty about that, but would it be opposed?—that is the difficulty. Would there be any opposition from Belfast? I suppose there are sure to be some individuals who would oppose.

Mr. Dobbin : The chemists and druggists are a separate body there. I think there is not much opposition.

Mr. Birrell : We could introduce a Bill. Mr. Sloan, of course, could introduce a one-clause Bill. You would want this clause :

> A body corporate may carry on the business of a chemist or druggist in Ireland if the business of the body corporate, so far as relates to the keeping, retailing, or dispensing of poisons, is under the control and management of a superintendent who is a duly registered pharmaceutical chemist, or duly registered chemist and druggist, or duly registered druggist, whose name has been forwarded to the Registrar of the Pharmaceutical Society of Ireland to be entered by him in a register to be kept for that purpose, and who does not at the same time act in a similar capacity for any other person or body corporate, and if in every premises where such business as aforesaid is carried on and is not personally conducted by the superintendent, such business is *bonâ fide* conducted under the direction of the superintendent by a manager or assistant who is a duly registered pharmaceutical chemist, or licentiate apothecary, or duly registered chemist and druggist, or duly registered druggist, and whose certificate of qualification is conspicuously exhibited in the shop or other place in which he so conducts his business.

It will be a short Bill. The question is, Would anyone oppose it?

Mr. Boyd : They were willing to accept the Bill being made applicable to Ireland if the gentlemen present had not insisted upon having the apprenticeship question. What happend last year was this. Those gentlemen who were here insisted upon introducing the apprenticeship clause in addition to the other clauses in the English Bill. The gentlemen from the Pharmaceutical Society, on the other hand, said they had no power to sanction that, and so the whole thing collapsed.

AN ARRANGEMENT SUGGESTED.

Mr. Birrell : I think that makes it rather more important that you should put before the Pharmaceutical Society this demand, limiting it to the apprenticeship question, and at the same time showing how unreasonable it is, now that it is admitted that these exist legally, and showing how absurd it is to hamper and injure these young men in Ireland who are being trained for their business by preventing them from obtaining a certificate.

Mr. Sloan : And in the event of their refusal?

Mr. Birrell : Somebody should then introduce a Bill. I should like to hear what the Pharmaceutical Society have to say against it. The only thing, of course, which a Government can do in regard to a private member's Bill, if it is opposed, is to promise to give it time. That, of course, as you know, is a very serious thing.

Mr. Sloan : But considering the injustice which is being done to the companies, is there no chance of securing Government assistance in the course of next Session?

Mr. Birrell : I cannot say. All I can say at the moment is that, as at present advised, it seems most rational that when you have prepared a Bill you should hear what objection there is to it. It is, of course, the Prime Minister's job to allot the time—even ten minutes. (Laughter.) All the Chief Secretary would say would be, "If you can give time you cannot give it to a better cause." But that does not carry very much weight. It is of the greatest importance, however, to disarm all opposition.

Mr. Sloan : You advise, then, that the deputation should communicate with the Pharmaceutical Society?

Mr. Birrell : You know the Pharmaceutical Society better, of course, than I do myself. I suppose also that there are other interests involved. The individual chemists, for instance, who carry on business under their own name and are not connected in any way with a company would want to have the monopoly of the young men, and no doubt feel that they have great hardships to contend with. The limited companies, I suppose, have enemies in all parts of the country. The individual chemist would say, "It is hard for me, struggling against competition, to be deprived of the advantage which I find myself in possession of." How far does the Pharmaceutical Society resent that view of the question?

Sir Thomas Robinson : Largely.

Mr. Birrell : Unfortunately, in England there is no apprenticeship system, so that the two cases are not absolutely alike. For instance, a distinction might be drawn, and it might be said that this one little job in the matter of training ought to be left to individuals who, it might be alleged, give more care and attention to the training of the chemist than the company which perhaps only carries it on as a branch of its business.

Mr. Boyd : We say, Allow the examinations, and, if they are not qualified, reject them.

Mr. Birrell : But examinations are not everything. Personal training and attention are of more importance to these young men. I may say that when I have been in Ireland I have had some charming interviews in Galway and elsewhere with some of them. In one shop I went into I only wanted something for the throat, but the young man insisted upon showing me a syringe—a most barbarous thing—and he promptly sent the contents flying out of the window on to the head of a man who happened to be walking in the street—(laughter)—and he told me, having done so, that it would carry much further even than that. (Renewed laughter.)

Mr. Sloan : Then, if the Pharmaceutical Society communicate with you, perhaps you will kindly say that we have come here to-day?

Mr. Birrell : You had better put in a formal document

and limit your request to the apprenticeship point, and then you will get from them some sort of reply.

Mr. Dobbin: A good many members of the Pharmaceutical Society are favourable to the demand of the companies, and express themselves privately, but not as a body.

Mr. Sloan: It only remains for me to thank you for the sympathy with which you have received the deputation to-day.

The deputation then withdrew.

[In conversation afterwards with our Parliamentary representative the members of the deputation expressed their satisfaction at the extremely courteous and sympathetic manner in which the Chief Secretary had listened to their arguments and the advice which he had tendered to them as to their future action. It is the intention of the deputation, as suggested by the Chief Secretary, to approach the Pharmaceutical Society of Ireland with a view to ascertaining whether it may be possible for the parties to come to terms in regard to the matters in dispute. This, it is stated, will be attempted almost immediately, and in the event of the fresh negotiations leading to no satisfactory conclusion it is proposed to introduce in the ensuing session of Parliament a short Bill for the purpose of giving effect to the wishes of the deputation. This will in all probability be in charge of Mr. T. H. Sloan, M.P. It is probable also that when the Bill is introduced the Government will be asked to afford facilities for its passing into law. There is no chance, of course, as was pointed out by Mr. Birrell, of anything in the way of legislation being attempted in the present Session.]

Westminster Wisdom.

A Record of Parliamentary Progress.

POISONS AND PHARMACY ACT, 1908.

In the House of Commons, on July 6, Captain Craig asked the Secretary of State for the Home Department whether he could state if the Pharmaceutical Society had yet framed by-laws for the registration of army compounders and certified dispensers under section 4*b* of the Poisons and Pharmacy Act of last year; whether he was aware of the effect upon army compounders and certified dispensers who had for many years past held good appointments, and yet who until registered were liable to a penalty of 5*l*. if they dispensed a prescription containing even an infinitesimal quantity of poison, although actually qualified to do so; and what steps he proposed to take to hasten the Pharmaceutical Society in drafting the necessary by-laws.

Mr. Gladstone has replied—the hon. member not being in his place at question-time—that he is informed that a committee of the Council of the Pharmaceutical Society is now engaged in the consideration of the question of these by-laws, but that some time must necessarily elapse before they could be formulated. The matter, however, will not be lost sight of. He further pointed out that a certified assistant who dispensed a prescription containing poison is not liable to a penalty of 5*l*.; the penalty is incurred only when unregistered persons sell poisons or keep open shop for the sale of poison.

MEDICAL MOTORS.

On July 1 at the House of Commons Dr. G. J. Cooper, M.P., introduced to the Chancellor of the Exchequer a deputation from the Medical Committee of the Motor Union and the British Medical Association, asking that doctors might be placed on the same footing as commercial men in the matter of rebate of half the tax on petrol. Mr. Lloyd George, in reply, said his experience and knowledge of country life had convinced him that it was not always the doctor who had the largest number of patients who made the largest income, and, unlike a lawyer, the doctor could not refuse to attend people who already owed him money. In the matter of taxation, therefore, medical men ought to be treated generously wherever possible.

MOTOR-SPIRIT.

In the House of Commons on Monday, Mr. Joynson-Hicks asked the Chancellor of the Exchequer whether the stocks of non-duty-paid petrol existing in the country prior to April 30 last have now been practically exhausted; if so, whether the users of commercial petrol are now entitled to the rebate provided under the provisions of the Finance Bill; and, if so, whether he has made the necessary regulations for the obtaining of such rebates.—Mr. Hobhouse replied that it is understood that the stocks of non-duty-paid petrol are still very considerable. Users of commercial petrol are now entitled to claim rebate upon all petrol used by them which has paid duty. Regulations have been drawn to enable users to obtain petrol duty free or at half-duty, as the case might be, or to claim rebate if the full duty had been paid.

Replying to a further question by the same member regarding coal-tar distillates, Mr. Hobhouse said a certain quantity of these might be capable of being used as motor-fuel, but so far as could be ascertained they are not so used at present except to a quite inappreciable extent. In these circumstances it had not been thought necessary to make arrangements for charging duty on these articles. If all the works producing the spirit in question were brought under Excise control with a view of raising a revenue charge on all such spirit produced, the expense would be considerable, while, owing to the fact that practically none of the spirit is used as motor-fuel, the amount of money actually received by the Exchequer would be trifling.

ANÆSTHETICS BILL.

The second reading of Dr. G. J. Cooper's Anæsthetics Bill has been fixed for July 19.

MANUFACTURE OF NICOTINE.

Colonel Ward has given notice of his intention to move the following new clause in the Finance Bill:—

> Any person growing tobacco solely for the purpose of manufacturing nicotine for insecticides and other horticultural purposes shall be entitled to an allowance or repayment of the duty paid on tobacco under this Act.

WHOLESALE DEALERS' LICENCE.

By the Finance Bill Schedule it is provided that wholesale dealers are not authorised to sell by retail in any case, and the meaning of retail sale is given thus:

> The sale at one time to one person of liquor in the following quantities, namely:
>
> (*a*) In the case of spirits, wine, or sweets, in any quantity not exceeding two gallons or not exceeding one dozen registered quart bottles; and
>
> (*b*) In the case of beer or cider in any quantity not exceeding four and a-half gallons or not exceeding two dozen reputed quart bottles,
>
> is sale by retail, and the sale at one time to one person of liquor in any larger quantities is wholesale dealing.

Thus wholesale dealers would by this be precluded from selling any quantity of spirits unless it is over 2 gals., whereas at present these traders can sell 2 gals. and upwards. Mr. Hugh Watt has submitted the point to the Chancellor of the Exchequer in the form of a question, and Mr. Lloyd George has privately informed him that it is not intended to interfere with the existing powers of a wholesale dealer, and this will be made clear by the insertion of some additional words in the Bill.

MEDICINES FOR JAPAN.

We are informed that negotiations are still in progress between the British representatives in Tokio and the Japanese Customs authorities in reference to the rejection of certain chemicals and medicines imported from this country into Japan. One recent case, which has engaged the attention of both the Foreign Office and the Board of Trade, has been referred back to the authorities in the Japanese capital, with a request that they will kindly reconsider the matter. It is understood that only specific instances of the rejection of British goods, and not general questions of principle, have so far been discussed between the two countries, and there is no reason to believe that the suggestion which was put forward some time ago by Mr. T. H. W. Idris in the House of Commons as to the establishment of a Board of Appeal at Tokio against the decisions of the Japanese Customs authorities has been discussed between the parties. Sir Claude Macdonald, the British representative at the Emperor's Court, is now in this country on leave of absence, and has this week visited the Foreign Office, so that there is every reason to believe that the home Government may have been placed in possession of his views on the matter.

Birth.

Rees.—At 3 Anerley Road, Upper Norwood, on July 6, the wife of H. Miles Rees, pharmaceutical chemist, of a daughter.

Marriages.

Buchanan—Evans.—On July 1, at the Presbyterian Church, Rock Ferry, by the Rev. J. M. Fergusson, M.A. (brother-in-law of the bride), assisted by the Rev. C. C. Goodlet, M.A., John Noel Buchanan to Marian Gwendoline Everett, youngest daughter of Mr. John James Evans (Messrs. Evans Sons Lescher & Webb, Ltd.), of Brackenwood, Bebington, Cheshire.

Dundas—Dickie.—At the South Parish Church, Aberdeen, by the Rev. Guy S. Peebles, B.D., on June 30, Robert Elder Dundas, chemist and druggist, Edinburgh, to Edith, youngest daughter of the late John Dickie, Turriff, and of Mrs. Dickie, 1 Grosvenor Terrace, Aberdeen.

Hunt—Young.—At Mathers' Hotel, Dundee, on June 30, by the Rev. John Mansie, M.A., Henry J. Hunt, pharmacist, to Mary Anderson, daughter of Mr. William Young, tobacconist, Dundee.

Robinson—Mannell.—At St. Michael's Church, Bournemouth, on June 19, by the Rev. Canon Toyne, Robert Robinson, pharmacist, Bournemouth, to Clara Ellen (Nellie), elder daughter of Mr. J. W. Mannell, Petra Villa, Poole Hill, Bournemouth.

Shaw—Pearce.—In Ripon Cathedral on June 24, by the Rev. E. H. Swann, S. T. Shaw, chemist, Golcar, near Huddersfield, to Eleanor, third daughter of the late Mr. P. Pearce and Mrs. Pearce, Fallcroft, Ripon.

Willis—Packer.—At St. Mark's Church, Gillingham, Kent, on June 30, Arthur H. Willis, chemist and druggist, eldest son of Mr. H. J. Willis, chemist and druggist, Gillingham, to Ellen Olive, third daughter of the late Mr. W. Packer, Gillingham.

Deaths.

Saunders.—At 25 Radstock Road, Liverpool, on July 4, after an illness of nearly two years, Mr. Henry G. Saunders, of Messrs. Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool. Mr. Saunders commenced his business career in 1866 with Messrs. Blumberg & Co., wholesale stationers and fancy goods merchants, St. Paul's Churchyard, London. He was first on the invoice staff, then in the jewellery department, and at the same time his surviving brother, Mr. William H. Saunders, was in the stationery department. In 1869 he joined his father, Mr. A. H. Saunders, in the business then known as Ayrton, Austin & Saunders at Cornwallis Street, Liverpool, and, from the time he entered into partnership, under his ability and enterprise the business grew so steadily that it had to be removed to larger premises in Duke Street, and subsequently to 34 Hanover Street. He was first attached to the despatch department of the business, and two years later became town traveller. On the death of his father, in 1889, he took a more prominent part in the direction of the business along with his brother, Mr. William H. Saunders. They ultimately acquired the business of Messrs. Henry Gilbertson & Son, London, which was amalgamated with the Liverpool one and developed in other directions, the united businesses being converted into a limited company, with Mr. W. H. Saunders as chairman. The late Mr. H. G. Saunders was a man of kindly character and sterling worth, and was known to many throughout the drug trade. He leaves a widow and three daughters.

Mr. H. G. Saunders.

Burdon Sanderson.—At Banchory, Aberdeenshire, on July 3, Ghetal, widow of Sir John Burdon Sanderson, Bart., and sister of the late Lord Chancellor Herschell.

Hovenden.—At "Heathcote," Park Hill Road, Croydon, on July 3, suddenly, from heart failure, Margaret, widow of the late Robert Hovenden, aged 78.

Lloyd.—At 70 Darlington Street, Wolverhampton, on June 27, Mr. C. F. Lloyd, homœopathic chemist, aged fifty-two. Mr. Lloyd had carried on business at the above address for many years.

Martin.—At Lewes, Sussex, last week, Mr. William Thomas Martin, chemist and druggist, 16 High Street, Lewes, aged sixty-one. Mr. Martin's name had become known throughout England on account of his views on vaccination. He was frequently prosecuted for his refusal to have his two children vaccinated, and defended hundreds of cases at the local courts, encouraging defaulters under the Vaccination Acts by his denunciation of the oppression of the law. The funeral took place at Cliffe Church, and among the many wreaths was one from the Council of the Anti-Vaccination League. Mr. Martin passed the Minor examination in February 1871, and vaccination did not absorb his interests, for his voice was frequently heard in regard to matters connected with the drug-trade. At one time his letters on anti-cutting and similar subjects were often seen in our columns.

Polden.—On July 2, Mr. Geo. Walter Polden, chemist and druggist, of 75 Northgate Street, Gloucester, aged seventy-six.

White.—At Sandy, Beds, on June 25, Mr. John Lewis White, chemist and druggist, aged sixty-five years.

Personalities.

Mr. A. Lusk Potter, of Messrs. Potter & Birks, Ltd., Sydney, N.S.W., left by the *Adriatic* for New York on July 7, and will join the *Marama* at Vancouver on August 15. He has had a successful visit to England.

Mrs. Mildred Shenstone, widow of the late Mr. W. A. Shenstone, F.R.S., of Clifton (a former Corner for Students prizeman and pharmaceutical chemist), has been granted a Civil List pension of 75*l.* in consideration of Mr. Shenstone's services to educational and physical science.

Sir Andrew Noble, K.C.B., D.Sc., D.C.L., F.R.S., on July 7 was presented with the Albert Medal by the Prince of Wales "in recognition of his long-continued and valuable researches into the nature and action of explosives, which have resulted in the great development and improvement of modern ordnance."

Mr. William H. Saunders, chairman of Messrs. Ayrton, Saunders & Co., Ltd., writing in regard to the death of his brother, Mr. Henry G. Saunders, asks us to state that his family desire to thank friends all over the country who have written expressing their sympathy. He hopes these writers will accept this acknowledgment of the kindly sentiments expressed.

Mr. William Stones, M.R.S.A., the senior partner of Messrs. Jewsbury & Brown, mineral-water manufacturers, Manchester, was among those who received the King and Queen at the new Manchester Royal Infirmary on the occasion of its official opening on Tuesday, July 6. Mr. Stones has been a member of the Royal Infirmary Board of Management since its reorganisation about seven years ago, and for ten years before that he was one of the honorary apothecaries in association with the late Mr. F. Baden Benger. He takes a most active part in the infirmary's affairs as a member of several committees, and is Chairman of the Cheadle Royal Lunatic Asylum, which is associated with the infirmary.

MR. RALSTON BALCH, of Messrs. Scott & Bowne, Ltd., is President of the Sphinx Club, and at the last dinner the members presented him with a loving cup in recognition of his invaluable services. Mr. Wetton, in presenting it, said that from the foundation of the Club on June 2, 1904, Mr. Balch had been its genial and inspiring guide through its early troubles and successes. In September, 1906, when Mr. John Morgan Richards, the first President, resigned, Mr. Balch was unanimously elected to succeed him, and, as the head of all their gatherings, Mr. Balch had shown such unfailing tact, and courtesy, and resource, and ready wit that the members thought that now would be a fitting occasion on which to present him with some tangible recognition of his valuable services. Mr. Balch acknowledged the gift in one of his fine crystallisations of speech. The portrait which we reproduce from "The Advertising World" is from a pencil-drawing by Mr. R. J. Mathews.

MR. BALCH.

Trade Notes.

FACTORY SITES.—The Great Western Railway Co. have for some time given attention to the facilities required by manufacturers who are looking out for factory sites. Mr. T. H. Rendell, chief goods manager, Paddington Station, W., is prepared to supply particulars of many sites which are available along the route of the Great Western Railway.

SOLPORT BROS., 188 and 190 Goswell Road, London, E.C., send us a copy of the 1909 edition of their catalogue of druggists' sundries. This is well printed and illustrated. There are several new lines, among them being Paroubek's wrist-straps and the Marathon fibre flesh gloves and straps. Chemists who have not had a copy of this list should write for one.

DANYSZ VIRUS.—Prof. Schattenfroh, of the Hygienic Institute of Vienna University, has completed experiments with Danysz Virus on two dogs, three cats, three fowls, one goose, three pigeons, two rabbits, and two guinea-pigs, which were given a liberal supply of white bread soaked in the virus. The three mice died, one after five days, the other two after nine days, but the other animals were kept under observation for twenty-one days and remained perfectly healthy, except one fowl which suffered from a disease otherwise traceable.

VELODA BOUQUET is the name of a new perfume which the "Velvix" Toilet Company, 42A Hampstead Road, London, have introduced. It has a delicious odour of that indefinite or mixed character which at present is preferred by many fashionable people to individual odours. It is hard to say what is most pronounced in "Veloda," but it is nice, put up well, and retails at 1*s.* 3*d.*, 2*s.* 6*d.*, and 4*s.* 6*d.* per bottle, with substantial profit to the retailer. On the bottle sent to us we find a coupon worded as follows :—"This free coupon entitles you to a handsome embroidered silk handkerchief if you send 1*d.* stamp for postage. Chemist's name and address ——. Own name and address——." This is rather smart.

IONIC MEDICATION, or cataphoresis, consists in the electrolytic dissociation of drugs, the dissociated ions having the power of penetrating the skin and reaching the deeper tissues. Solutions containing 1 or 2 per cent. of a salt are employed. With a view to facilitating this method of treatment Messrs. Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C., have introduced soloids each containing 4.37 grains of the medicament. A soloid dissolved in 1 oz. of water gives a 1-per-cent solution. The series comprises cocaine hydrochloride, copper sulphate, magnesium sulphate, potassium iodide, sodium chloride, sodium salicylate, quinine bisulphate, and zinc sulphate. These are sent out in bottles of twenty-five.

"SAUERIN" TABLETS.—Messrs. Allen & Hanburys, Ltd., the makers of these tablets, have submitted them to an eminent bacteriologist of one of the chief London hospitals, and he reports :

The tablets break up easily and show numerous bacilli in film preparations of the powder. They rapidly acidify and clot milk, and give an abundant and pure growth of the Metchnikoff bacillus. . . . These tablets I consider to be the most satisfactory which I have yet examined.

BUVO.—This is the name of a new beef-tea extract which is manufactured by Buvo, Ltd., 26 Rosebery Avenue, London, E.C. It is a novelty, and the manner of introducing it to the trade is novel. Buvo is a soluble tablet composed of extract of beef and anti-scorbutic vegetables, nicely flavoured, and the beef-tea made from it so closely resembles the home-made article that it even has tiny globules of fat floating on the surface. The beef-tea is both refreshing and nourishing, and is made in a few seconds by simply putting one tablet in a tea-cup, filling the cup with hot water, and stirring. The novel method of introduction is this : two tablets are wrapped together in tinfoil to make a cube, which retails at a penny. These cubes are packed in boxes of 6, 12, 72, and 144 to sell at as many pence. Buvo, Ltd., offer to send to any *C. & D.* subscriber free on receipt of a business request three of the 1*s.* tins, the only condition being that chemists will sell the cubes or otherwise get the public to try them.

P. D. & CO. NOVELTIES.—Messrs. Parke, Davis & Co., Beak Street, Regent Street, London, W., have introduced under the name of "mercurettes" an improvement on ung. hydrargyri for inunction, the simplicity of which is apt to overshadow its cleverness. The "mercurette" is an oblong tablet 1⅜ in. by ¾ in., apparently hard, but it softens in the hand, for it is composed merely of mercury and cocoa-butter, with a little perfume. The convenience of the "mercurette" for inunction will be appreciated by prescribers and pharmacists. Each tablet contains 30 grains of mercury, and the boxes contain six tablets. A new suppository is also introduced which from its composition we judge will be of service in the treatment of bleeding piles. Each contains hamamelis extract 3 grains, formidine 3 grains, cocaine hydrochloride ¾ grain, and adrenalin. The suppositories are put up in boxes of one dozen, the get-up being so nice as to set a standard to retailers in "finishing-off" at the dispensing-counter. Other novelties are lactated pepsin tablets in screw-capped pocket vials containing thirty-six tablets, to retail at 1*s.* (protected); and euthymol cold cream, an elegant cosmetic preparation, put up in 1*s.* tubes.

Information Wanted.

Inquiries for the names and addresses of manufacturers, or other trade information, not traceable by reference to the advertisement-pages of "The Chemist and Druggist" and the "C. & D. Diary," or not filed in our private register, are inserted here free of charge. Postcard or other replies to any of the subjoined inquiries (addressed to the Editor "The Chemist and Druggist," 42 Cannon Street, London, E.C.) will be esteemed.

97/33. Makers of "Stonehenge" liniment, or where obtainable.

95/17. Manufacturers of, or agents for, Madam Mack's toilet-soaps.

97/34. London agents for "Downing's Pills, Floral Dainties," and for "Haydock's Pills."

99/56. Present address of W. H. Grantham & Co. (late of Finsbury Square Buildings, London, E.C.), makers of filters.

96/2. Makers of wooden or metal postal boxes, with screw on end (fitting tight on an indiarubber washer), for transmission of liquids abroad.

Observations and Reflections.

By "Xrayser."

With Best Wishes

for the success of the efforts still to be made to stem the flowing tide of licensing poison vendors, it is not altogether easy to appreciate the force of suggestions that County and District Councils have been transgressing the law by granting these licences in places where chemists are dealing in these agricultural and horticultural poisons. The statute requires them to "take into consideration" this particular circumstance, and they have not had much chance of evading this part of their duty. But having considered the conditions, the statute no further restricts their discretion. A "well-considered measure" was once defined by John Bright as a measure which had been so thoroughly considered that no definite conclusion had been come to in regard to its purpose. The Councils were not expected to go to this extreme. They had to come to some conclusion, and a great many of them have come to the wrong one. But it is a long jump from this to say that they have come to it illegally.

The Apparent Prejudice

against chemists which seems to have influenced a number of Councils, raises an interesting but delicate problem. What have we done to incur representative unpopularity so generally? It may be that the natural protest of those who do not share it to anybody else possessing anything in the way of a monopoly has counted to some extent. But why has this feeling developed suddenly, and at such an awkward moment? For forty years the spokesmen of the community have been in the habit of congratulating themselves on the measure of protection which the pharmacy laws have provided against the risk of accidental poisoning. Now they are clamouring for a reduction of that protection. It can hardly be the tradition of our exorbitant profits which provails. The Councils are composed of men of business who are well aware that our opportunities in this direction are played out. It may be—I know it is heterodox to suggest it—that in the controversies of recent years we have insisted a little too persistently on our own merits. Possibly a trace of this assumption may have been infused into some of the arguments addressed by chemists to councillors, and the latter may have resented, unconsciously, perhaps, anything like a tone of superiority on the part of those who are for the moment in the position of their suppliants. "It's no' the way to catch a bird to fling your bonnet at her."

The Poison Register

can be traced back very definitely to the year 1682, when Louis XIV. issued a decree forbidding apothecaries to sell "arsenic, sublimate, or any drug reputed to be a poison" except to persons known to them, and further requiring that the purchasers should sign the register declaring the purpose for which they were buying the poison. A similar condition had been established by the local Parliament of Montpelier about twenty years previously; but Louis XIV. extended it to the whole kingdom. There had been a period of great excitement on the subject of poisoning. The Marchioness of Brinvilliers was executed in 1677, and the revelations at her trial had seriously alarmed the criminally disposed aristocrats who made up the Court and Parisian society at that epoch. A circumstance which particularly influenced the King is alluded to in some "Memoirs of the Court of Louis XIV." by an Italian adventurer named Primi Visconti, which have lately been translated from the original manuscripts and published in French by M. John Lemoine. Visconti, who had obtained entry to the French Court by his professed skill in palmistry and chiromancy, and had become somewhat popular with the lords and ladies there, relates that it had come to the King's knowledge that the accomplice of the late Marchioness, a man named Ste.-Croix, who died a little before her arrest, presumably by an accident while preparing the materials for their joint enterprises, had sought to obtain the position of *maître d'hôtel* in the Palace of Versailles, and had been recommended to that position by a wealthy and avaricious person named Penautier, Receiver-General of the Clergy, and suspected (justly, according to Michelet) of being concerned in the recent crimes. I am not aware that this circumstance (of Louis' narrow escape) has been previously revealed. Naturally it disposed the King to favour the proposal to establish an inquisitorial

Chamber of Poisons,

armed with powers and authority to investigate by methods, then familiar, including the imprisonment and torture of suspected persons, the practices, some criminal, others only frivolous, then much in vogue in the capital. Colbert opposed the institution of this extraordinary tribunal, but he was overruled, and it is well known how it was abused for purposes of social revenge. A few poisoning cases were investigated, and half a dozen persons were executed, but several of them had been convicted of aiding abortion, and of sacrilege, not of murder by poisons. But many reputations were besmirched or destroyed, and, as Visconti tells us, a number of cooks and other servants were imprisoned merely because their employers felt ill after dinner. Moreover, multitudes who before scarcely knew what a poison was, now studied them and learnt how to employ them with the object of succeeding to heritages or of changing their husbands or wives. The Chamber of Poisons, in fact, spread the evil it was designed to suppress, and consequently a year or two later the more practicable and far simpler precaution of the Poison Register was adopted.

Old Botanical Students

will have noticed the paragraph intimating the financial difficulties of the Royal Botanic Society with genuine regret. In the beautiful gardens of the Society in Regent's Park several generations of pharmaceutical students have made their first, and in some cases their last, acquaintance with a number of medicinal plants whose names are retained, but whose personalities have perished in modern pharmacy. Many years ago Professor Bentley used to give a part of his course of lectures in those gardens. I do not remember why this excellent plan came to be abandoned. Perhaps the latter-day students found it difficult to find their way to Regent's Park between 7 and 8 A.M. They still have the privilege of admission to the grounds, and use it. In modern times the Royal Botanic Gardens have catered for fashionable *fêtes* and society flower shows, and it has been supposed that their scientific and educational purposes were taking a back seat. But this would be an unjust estimate. We now perceive that the *fêtes* have been a gallant endeavour to keep the concern going. Pharmacy cannot help much towards rescuing the Society from its pecuniary embarrassments, but pharmacy will be a loser if some people do not come forward with the necessary 4,000*l*.

Commercial Travellers

have induced Mr. Seddon, M.P. (of the Shop-assistants' Union), to include them in his Restraint of Trades (Shops) Bill, and have thereby considerably reduced the chance of getting it enacted. Travellers have exceptional opportunities of obtaining personal connections at the expense of their employers and it is not to their corporate interest that it should be made impossible to engage one with a reasonable condition precluding him from offering this property to rival houses.

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Editorial Comments.

Motor-spirit.

"Motor-spirit" means any inflammable hydrocarbon (including any mixture of hydrocarbons and any liquid containing hydrocarbon) which is capable of being used for providing reasonably efficient motive power for a motor-car.

The Commissioners may by regulations prescribe tests for the purpose of determining whether any inflammable hydrocarbon or mixture of hydrocarbons, or liquid containing hydrocarbon, is motor-spirit within the meaning of the provision.

THE Commissioners of Customs and Excise have now issued notices to (1) manufacturers of, (2) dealers in or sellers of, and (3) users of motor-spirit, and the definition embodied in the first paragraph above quoted is given in two of the notices, but not the second paragraph, which we also quote from Clause 64 of the Finance Bill. The notices set forth the conditions upon which motor-spirit may be manufactured, sold, or used (duty-free or under rebate), and in the absence of any statement by the Commissioners to indicate what is and what is not to be regarded for revenue purposes as motor-spirit, it follows that anything that comes within the wide definition ("hydrocarbon," etc.) must be regarded as taxable, and that manufacturers and sellers must be licensed. We have already intimated that the Commissioners have instructed revenue officers that the sale of benzine in small quantities by chemists will not require a licence, and we are able to add to this that the Chancellor of the Exchequer is considering our proposal that Section 64 should be suitably amended so as to exclude retail sales of small quantities of liquids coming within his definition, and used for other than motor purposes. Until, however, this point is cleared by law we are bound to regard the official notices as applicable, so far as they go, to all persons who make, sell, or use inflammable hydrocarbons as above defined. Assuming that the official interpreters will go by precedent, we endeavour to ascertain what has hitherto been regarded as motor-spirit, and we find that the regulations as to the keeping and use of petroleum spirit for the purposes of light locomotives (March 18, 1903) state that the spirit means petroleum to which the Petroleum Acts, 1871 and 1879, apply, viz. :

Any rock-oil, Rangoon oil, Burmah oil, oil made from petroleum, coal, schist, shale, peat, or other bituminous

substance, and any products of petroleum or any of the above-mentioned oils, which, when tested as described in the schedule to the 1879 Act, give off an inflammable vapour at a temperature of less than 73° F.

The lighter distillates of petroleum which come under this restriction are gasoline, petroleum ether, petrol, benzoline, ligroine, and benzine. The coal-tar products included are benzol (a mixture of benzene, toluene, and xylenes) and solvent naphtha, and gasoline and naphtha from shale are also included. These liquids come under the 1903 regulations, and it may reasonably be expected that they will be embraced by the notices now under discussion, while also hydrocarbons which are not "petroleum" within the meaning of the Acts will be included, and any mixture containing hydrocarbon. We understand that officers have been instructed that if the specific gravity of any imported spirit does not exceed 0.750 it is to be considered "motor-spirit," so that all the lighter distillates of petroleum above named are included. If the specific gravity is between 0.750 and 0.800 samples are to be taken for examination in the Custom House Laboratory. Scotch shale spirits have not yet been decided upon. The reasonable efficiency of motor-spirit depends at present upon its volatility, but in the event of improvements in motors being devised which would enable less volatile oils being nebulised by mechanical means, so as to provide reasonably efficient motive power in a motor engine, any hydrocarbon would become motor-spirit. It is thus obvious that the provisions of the Finance Bill are of far-reaching significance, and it is for this reason that we consider that other uses of hydrocarbons or hydrocarbon mixtures for other than motive purposes should be safeguarded more adequately than they are in the Bill. We now subjoin abstracts of the official notices :

The notice consists of seventeen paragraphs referring to the conditions under which motor-spirit may be manufactured and sold by the manufacturers. A 1*l.* annual licence is necessary, and bond must be given. Refiners may receive duty free not less than 100 gals. of spirit at a time, by requisition and permit. All still charges and distillates have to be entered in an official book, and rules are laid down as to distillation, dimensions, and capacity of stills, storing-tanks, collecting vessels, and receivers, a stock-book has to be kept, entries being made daily and a return made to the officer weekly, while stock has to be taken monthly and the stock-book balanced, spirit on which duty has been paid being distinguished from spirit received duty free. No spirit is to be sent out unless the proper duty has been paid upon it, and in the case where purchasers of two gals. or upwards demand a certificate, it must be given in the following form :

Manufacturers.

Sold to —— of —— gallons of motor spirit on which the full duty has been paid to the Crown.

Date —— 19 . Signed ————

Duty-free and half-duty-paid spirit may only be sent out in quantities of 8 gals. or more on requisition to an authorised user or dealer, and 100 gals. or more to a licensed manufacturer. Officers are authorised to take without payment samples of petroleum oils, spirit, naphtha, or any substance which may be used in the preparation of motor-spirit. There is full provision in regard to spirit imported before April 30, 1909, or made in the United Kingdom before June 1, 1909.

This notice embraces fourteen paragraphs. Every dealer in or seller of motor-spirit must make entry of his premises and of every room and place in which the spirit is to be kept or sold, and must take out an annual 5*s.* licence. With all duty-paid spirit he must receive a certificate, which must be produced to the officer on his next visit. He may apply for permission to receive duty-free or half-duty-paid spirit for sale to authorised persons. When permission is applied for, the dealer or seller has to submit a ground-plan and description of his premises and of the places where he proposes to store (1) duty-free, (2) half-duty-paid, and (3) duty-paid spirit. If he gets permission he has to give "the prescribed security"—*i.e.*, a bond. Duty-free and half-duty-paid spirit can be obtained in quantities of not less than 8 gals., official forms being prescribed, these including to the authorised user a stock-book and daily records. Facilities have to be provided for the officer as in the case of manufacturers. A dealer may not mix with motor-spirit any petroleum oil or any other substance on which duty has not been paid, if the resulting mixture is motor spirit.

Dealers or Sellers.

This notice is divided into sections : (1) Users who give bond, (2) users who do not give bond, and (3) proprietors of motor-garages, motor cabs, etc., and owners of private and commercial motors. The first class comprises those who use not less than 500 gals. of motor-spirit annually (1) for other than motor purposes, or (2) for supplying motive power, the users desiring to obtain the spirit duty free or half-duty paid. In both cases permission has to be obtained from the Commissioners, the local officer supplying the form, and bond with one or two sureties has to be given. Not less than 8 gals. of spirit can be obtained at a time, and only from bonded stores, requisitions and permits being provided. Special provisions are laid down for motor omnibus and cab proprietors, who may receive both duty-paid and half-duty paid spirits. The second section of the notice, dealing with those who do not give bond, sets forth the conditions on which they may obtain rebate. The certificate of the vendor is the first item in the claim : it must be in respect to not less than 2 gals., and rebate is not granted on less than 6 gals. used within six months of the time that the claim is made. Claims may not be made oftener than once a month. In making the claim the users have to state the specific uses to which the spirit has been put. Those who come into the third section of the notice may only receive duty-paid spirit, and, if entitled to use half-duty-paid spirit, they obtain a rebate upon as much of the spirit as is used for the permitted purpose. An account of the spirit received and used each day must be kept.

Users.

It will be seen that broadly the effect of the regulations is to relieve duty-paid spirit of any but recording conditions, the certificate of the quantity ordered and delivered being the new factor in the transactions. Similar regulations to those in force respecting industrial methylated spirit are applied to duty free and half-duty-paid spirits—in fact the provisions are so alike that until special printed forms are available officers are to use industrial methylated spirit-forms. Manufacturers can only send out duty-free and half-duty-paid spirits on formal requisition, and such requisitions are obtainable only by licensed dealers and authorised users, not less than 8 gals. at a time being delivered to them. If, for example, a chemist and druggist wants 5 gals. of duty-paid benzoline he orders it as hitherto, no requisition being necessary; but the manufacturer or dealer from whom he buys must give him a certificate in the regulation form. As the notice stands, if the chemist sells the benzoline again in smaller quantities he requires a licence. That is the point on which we claim relief for the retail drug-trade. Users of benzoline entitled to rebate, who have been in the habit of buying it from retailers, must now buy not less than 2 gals. at a time, and in this case there is no option for the retailers but to take out the 5*s.* licence, which is a precedent condition to obtaining the rebate certificate-forms. These are, we think, the more crucial points of the regulations, but we recommend readers directly interested to study carefully our abstracts, and if any difficulties arise we shall be glad to help in their solution.

Citric Acid.

This business (tartaric and citric acid making) provides an unanswerable argument for Tariff Reform, inasmuch as one of our greatest competitors lives in a country where he is protected by a big duty. He has openly threatened to close up the English works by dumping acid at cost price and then to repay himself when the English makers are extinct. At present two tartaric and four citric acid makers remain. Our trade would undoubtedly increase, probably double itself—certainly 50 per cent., with a 10-per-cent. duty.

THE above statement appeared in our Coloured Supplement of June 26, and was made by Messrs. Kemball, Bishop & Co., Ltd. (one of the four English makers of citric acid), in reply to the "Daily Express" inquiries on Tariff Reform, and is based on the fact that one of the large German makers, Messrs. Goldenberg, Geromont & Co., of Winkel (Rheingau), are to erect works in Sicily expressly for the manufacture of citric and tartaric acids and other chemicals. The company, the name of which is to be "Fabrica Chimica

Italiana Goldenberg," is to have a capital of 40,000*l*., which may be increased to 80,000*l*. It is also reported that another factory, which is to be subsidised by the Italian Government, is to be erected near Palermo. The present proposals have been on foot for about a year, and in the case of the German company the situation has been forced upon them as competition has become more and more accentuated, and since the formation of the Camera Agrumaria they are no longer able to purchase their raw materials with the same ease and at such low prices as formerly. In other words, the position is such that the difference in price between citrate of lime and citric acid does not cover the cost of manufacturing. It is somewhat remarkable that, although Sicily is the chief lemon-producing country of the world, the manufacture of citric acid should not have been taken up there years ago, and this in face of the fact that the estimated consumption in Italy is 100 tons per annum, of which England is supposed to supply about sixty tons and Germany the remainder. These new developments place the four English makers in an unfavourable position, in view of the fact that makers in Sicily will be able to purchase their lemons from the growers direct and do their own pressing. The letter which we published last week from the director of the Camera Agrumaria at Palermo is practically an appeal to makers to lend their support, but as a fact the Camera does not appear to have control of all the supplies of Sicilian citrate, and there have been plenty of "outside" offers from merchants. It will be remembered that previous to the formation of the Camera last September large stocks of citrate were purchased by citric-acid makers, and they practically refused to sell. Subsequently the earthquake in January disorganised all business, and the price of English acid went to 1*s*. 10*d*. per lb. nominally, but when conditions again became normal values gradually eased until to-day they are practically 6*d*. below those of January. The unseasonable weather has largely helped to bring about these lower prices, inasmuch as the consumption so far this year has been reduced to a minimum. So much so that makers of aërated waters are unable to take delivery of their contracts, which means a postponement in many cases until next year.

Section 4.

THE question put in the House by Captain Craig on Tuesday to the Home Secretary in regard to the recognition of Army compounders under Section 4 of the Poisons and Pharmacy Act is not without significance. The Captain was not correctly informed about the position of Army compounders and "certified assistants." Neither class is qualified according to the Pharmacy Act, 1868; Army compounders are qualified to compound medicines in the Army, and apothecaries' assistants are certified to act as assistants to apothecaries in compounding medicines, and so long as they confine themselves to these duties, and do compounding in places which are not open shops in the sense of the Pharmacy Act, the provisions of that Act do not extend to them. But as soon as they begin to do those things which the Act says can only be done by those registered under the Act or by specially exempted persons, which they are not, they become liable to the penalties. We feel that Captain Craig can have no sympathy with persons who thus break the law. As to the 1908 Act provision the Captain was seemingly not aware that it is purely enabling, and is part of a scheme whereby the Pharmaceutical Society may register without further examination pharmacists who have qualified as such in Colonial parts of the Empire. It is well established in other professions, the medical for example, that recognition of this kind is universally based upon an accepted standard of knowledge, as determined by examination. That is the basis which the Pharmaceutical Society agreed to be requisite in this case when Mr. Joseph Chamberlain, then Colonial Secretary, corresponded with the Society on the matter, and the new Act is to give effect to it. This implies that the evidence of qualification submitted by those who apply for registration under Section 4 should (in fairness to those registered by Examination) include proof of having passed an examination equal at least to the Society's qualifying examination, the conditions precedent to entry being also equal. Captain Craig should know that the examinations, which have given Army compounders and apothecaries' assistants their status, are very far behind the pharmaceutical qualifying examination, both in nature and subject. We observe that the "British Medical Journal" has been taken to task for not pointing out that the assistant's certificate of the Society of Apothecaries of London is inferior to the Minor Examination certificate, whereupon our contemporary said:

> The particulars clearly showed that to obtain the assistant's certificate does not necessarily require more than six months' work; whereas to qualify for the Minor certificate of the Pharmaceutical Society entails an apprenticeship of not less than three years, attendance at stated lectures, and the passage of examinations both in theory and in practice. This makes it clear that the one is in a sense higher than the other, but does not prove any inferiority in the assistant's certificate so far as its immediate purpose is concerned. As for the risks supposed to be run by the employers of those who hold this certificate, they do not seem to exist. The precise distribution of legal responsibility between a dispenser, whatever his qualification, and a prescriber, is a matter of some doubt; but in any case, since the assistant's certificate is a statutory qualification, established by Section 17 of the Apothecaries Act, 1815, it seems improbable that any court would hold that a medical man had failed to exercise due care if he could show that the person to whom he entrusted the duty of making up his prescriptions held this certificate. Nor would there seem to be any practical risk. As for the value of this certificate to its holder, this is without doubt very considerable. It is not every one who wishes to open a chemist's shop, nor every medical man or medical institution who can afford to employ a holder of the Minor certificate, and a very large number of public institutions think it right to employ persons who have no other qualification than the one in question. In particular, the regulations of the Metropolitan Asylums Board definitely contemplate their habitual employment in sole charge of its dispensaries.

This is judicially put as regards the immediate purpose of the apothecaries assistant's certificate, but the grievance which registered chemists and druggists have against them and Army compounders is that both of these classes want to act as chemists and druggists without further examination. It is much to be regretted that the Society of Apothecaries has so far departed from its customary respect for the Pharmaceutical Society and the statutory duties which it has to carry out as to suggest conditions upon which apothecaries' assistants should be registered under the Pharmacy Act. Mr. Upton's letter, read at the Council meeting on Wednesday, was courteously received, and referred to the Committee which is dealing with Section 4 provisions. We hope registered chemists will be constantly on the *qui vive* in this matter: some day they may be called upon to strengthen the hands of the Pharmaceutical Council. These points we refer to signify that pressure is being used to force the Council to register Army compounders and apothecaries' assistants forthwith, and this should be strongly resented by the whole trade.

Two Points of View.

IT is increasingly obvious that the interpretation of the necessity for granting poison-licences under the Poisons and Pharmacy Act is misunderstood by the greater majority of local authorities with whom the licensing power rests. The pharmacists' point of view is that these licences should only be granted in those rare instances where the user of agri-horticultural poisons resides at an inconvenient distance from a chemist—the qualified poison-vendor created by the Pharmacy Act, 1868. This is believed to be the principle upon which the Poisons and Pharmacy Act was devised and carried through Parliament. It is now apparent that when the section which permits the granting of poison-licences is examined by most local authorities these bodies look upon it as a command to grant licences to anyone who applies for them. Much of the misunderstanding has arisen through the activity of persons interested in the sale of agri-horticultural poisons, who have placed before their customers a view of the intentions of the Act which is one-sided if not intentionally misleading. This view has unfortunately been adopted by many public bodies, who do not seem capable of looking at the subject in a judicial manner. Here and there one finds that a proper spirit has been observed, and the result is either that no licences are granted or that the number is small. On another page we give an extract from the "Eastern Daily Press," which is a notable instance where the real purpose of the Act has been understood. The Norfolk County Council did not see their way clear to grant poison-licences, whereupon Mr. Dobbs sent one of his stock letters to the "Eastern Daily Press," and it must have surprised Mr. Dobbs to see the cold logic with which the Editor dissected his letter and the purpose of the sender. The question now arises as to the steps to be taken to educate local authorities to a proper understanding of the Act. The Barnstaple chemists have tried the expedient of writing to the Privy Council, and the method has met with a certain measure of success. The Clerk of the Privy Council has written to the Barnstaple Town Council for an explanation of their action in granting poison-licences where it could be shown that the requirements of the neighbourhood were adequately met. The Town Council are now devising a reply. The Pharmaceutical Council have also decided to move in the matter. At Wednesday's meeting the Law Committee were instructed to procure evidence with a view to at once testing the validity of the grant of licences in large centres of population already amply supplied with statutory sellers of poisonous substances. In the meantime the action of the Barnsley chemists can be recommended as likely to keep the Privy Council informed of cases where the intention of the Act has been flagrantly violated.

Six Months Trade.

THE Board of Trade Returns for June show a substantial increase in both imports and exports. The imports were 51,721,300*l.*, or 5,586,000*l.* more, and the exports 29,718,000*l.*, or 764,800*l.* more than in June 1908, and for the six months ending June the figures are as follows:

IMPORTS.

1907	1908	1909	
£328,356,400	£298,292,359	£301,653,616	£3,361,257—

EXPORTS.

£206,317,469	£189,993 395	£176,934,350	£13,059,045—

The features during June were the increased purchases of food, drink, and tobacco by 2,839,600*l.*, raw materials by 1,153,851*l.*, and manufactured articles by 1,556,500*l.*, among which chemicals, drugs, dyes, and colours contribute an advance of 77,950*l.* on imports, amounting to 881,420*l.* The receipts of quinine during June were heavy, amounting to 117,839 oz. compared with 16,708 oz. in June, 1908, and 37,589 oz. in June, 1907; and for the six months' imports amount to 1,133,316 oz. as compared with 379,922 oz. and 1,528,360 oz. in the corresponding periods of June, 1908 and 1907, showing the fluctuating character of the trade. The increased imports of chemicals last month were spread over twenty scheduled articles, the largest item being aniline and naphthaline dye-stuffs by 31,679*l.*, followed by miscellaneous drugs and medicines 17,553*l.* The feature of the exports in June was the advance of 372,639*l.* in manufactured articles, to which the chemical group contributed 140,360*l.*, exports realising 1,229,141*l.*, and for the six months ending June the totals reach 8,328,166*l.*, or 378,277*l.* and 718,868*l.* less than the corresponding periods of 1908 and 1907 respectively. Here again the activity in quinine is a feature, 532,862 oz. having been exported; but the value, 21,813*l.*, is extremely small, and compares with 312,439 oz. at 14,327*l.*, in the same period of 1908. Eliminating the quinine figures, we have exported other drugs and medicinal preparations as under:

	1907	1908	1909
June ...	£131,095	£106,062	£138,466
Jan.–June ...	851 622	742,925	790,722

These figures show that in this industry, at least, the depression of 1908 is not to be repeated this year if present conditions prevail.

Sale of Medicated Wines.

THE Chancellor of the Exchequer seems not to be fully advised by the revenue departments at present, if we may judge from the following letter on the medicated-wine question:

Treasury Chambers, Whitehall, S.W.
July 7, 1909.

J. Murison, Esq., Parke's Drug-stores, Ltd.,
65 Harmood Street, N.W.

Sir,—In reply to your letter of May 7 on the subject of chemists' wine-licences, I am desired by the Chancellor of the Exchequer to say that, under the practice of the Board of Customs and Excise, wines or spirits sufficiently medicated to be regarded as medicines may be sold by duly qualified chemists and druggists without a wine or spirit licence, provided that directions as to dose, etc., on the label clearly indicate that the article is intended for use as a medicine, and not as a beverage.

This concession is only allowed to medicated wines and spirits, which, on being tested at the Government Laboratory, conform to a certain standard.

Under these circumstances the Chancellor of the Exchequer does not consider it necessary to create a medicated-wine licence for chemists only.—Yours faithfully,

M. H. SANDS.

The point of Mr. Murison's letter was that there is a class of medicinal wines prescribed by medical men for the sick which the revenue authorities do not regard as "medicated wines," and chemists who sell them must take out an "off" wine-licence. Owing to the increase in licence-duties, according to the value of the premises, Mr. Murison suggested that in the case of medicated wines sold by chemists there should be instituted a special licence covering the sale of these, but not other wines, such as those used at the table. Apparently the Chancellor has not been informed by his advisers of the distinction between (1) the department's "medicated wines," (2) popular "medicated wines," and (3) ordinary wines. We are informed that an intimation has been received from the Chancellor that he will be prepared to receive, on a date yet to be fixed, a deputation from the London Liberal members in regard to the position of London under the new licence duties. The point to be urged before Mr. Lloyd George is that in place of the annual value some other basis should be adopted for levying the licence duties, such as a percentage on the trade of each house, under which the incidence of the duty could be more equally distributed over the whole of the Kingdom. At this interview the question of medicated wines is to be raised by one or more of the Liberal members.

PORTUGUESE ARSENIC.—The exports of arsenic from Oporto during 1908 amounted to 1,760 m. tons, valued at 8,367*l.*, against 1,700 m. tons, valued at 7,530*l.*, in 1906. It was practically shipped to the United Kingdom.

H.M. CONSUL-GENERAL AT BUDAPEST, reporting on the commerce and industry of Hungary for 1907-8, writes: "Two industries which have made considerable strides during the past year are the sugar and chemical industries. The latter is said to have especially good prospects for the future, though competition is severe, both with Austria and foreign countries outside the union. The consumption of sulphuric acid increased about 3 per cent., but prices declined."

Pharmaceutical Society of Great Britain.

COUNCIL-MEETING.

A MEETING took place at 16 Bloomsbury Square, London, W.C., on July 7. After the minutes had been read the President referred to the Birthday honours conferred on Sir Dyce Duckworth, Mr. Morris, Dr. Thorpe, Mr. Fitzroy, and Mr. Herbert Samuel, who are to receive letters of congratulation from the Society. The portrait of the late Mr. Peter Squire, given by Mr. P. W. Squire, has now been hung in the Council-chamber in place of the picture of lesser merit. A legacy of 90*l.* has been received by the Benevolent Fund from the estate of the late Mr. W. H. Wilson, and the Council voted 46*l.* from the same Fund in relief of needy applicants. Mr. P. F. Rowsell was appointed representative of the Society on the Court of the Bristol University. Mr. W. S. Glyn-Jones was re-appointed Parliamentary Secretary. Reference was made to the death of Mr. T. Bateson, a former councillor of the Society. The silver medal in the Herbarium Competition was awarded to Mr. J. Small, Brechin. The Jacob Bell Scholarships were conferred on Mr. W. Honeyman (Hartlepool) and Mr. A. L. Davidson (Montrose), while the Manchester Scholarship went to Mr. H. Booth (Crewe). A letter was received from the Society of Apothecaries in regard to the registration of apothecaries' assistants as chemists, a basis for registration being suggested. A motion by Mr. Young was carried, in which the Law Committee is requested to take immediate steps to investigate the validity of certain poison-licences granted to traders in districts where there are already statutory sellers of poisonous substances. Mr. Gifford had a motion on similar lines, in which the Council was desired to at once approach the Home Secretary on the subject. This motion was withdrawn on the understanding that the committee dealing with Mr. Young's motion would consider the advisability of taking the step desired by Mr. Gifford, that remit having been drafted in a manner which gives the committee ample latitude.

THERE were present at the meeting the President (Mr. J. F. Harrington), the Treasurer (Mr. Walter Hills), and Messrs. C. B. Allen, A. S. Campkin, W. G. Cross, J. H. Cuff, F. J. Gibson, W. H. Gibson, R. L. Gifford, D. Gilmour, A. Hagon, J. Harrison, E. T. Neathercoat, P. F. Rowsell, E. White, and J. R. Young.

ABSENTEES.

After the reading of the minutes, the PRESIDENT explained that the Vice-President (Mr. W. L. Currie) and Mr. A. E. Hobbs were absent on the Society's business, also that he had received word from Mr. Park that he would be unable to be present.

CONGRATULATIONS.

Reference was then made to the honours conferred by the King on Sir Dyce Duckworth, Mr. H. Morris, Dr. T. E. Thorpe, Mr. A. W. FitzRoy, and Mr. Herbert Samuel. Letters of congratulation are to be sent to most of these gentlemen. The President has already written to Mr. Samuel and received an acknowledgment, in which Mr. Samuel wrote that he has "pleasant recollections of his association with the Council of the Pharmaceutical Society during the passing of the Poisons and Pharmacy Act."

MR. PETER SQUIRE'S PORTRAIT.

The PRESIDENT called attention to the oil-painting of the late Mr. Peter Squire which has been hung over the fire-place in place of the portrait which has long been in possession of the Society. The new picture has been presented by Mr. Peter Wyatt Squire, and is an excellent painting. It shows Mr. Squire in full-face, holding in his nand a sheaf of papers. The likeness is a very good one. The President was asked to write to Mr. P. W. Squire conveying the thanks of the Council for the painting.

ELECTIONS AND RESTORATIONS.

Seven members of the Society were elected, also five student-associates. Seven persons had their names restored to the Society on payment of the restoration-fee of a guinea. Seventy-six persons were restored to their former positions in the Society.

FINANCE COMMITTEE.

Mr. W. H. GIBSON, the Chairman of this committee, moved the adoption of the report, of which the following is a *résumé* :

RECEIPTS.

	£	s.	d.
Penalties and costs	100	15	2
Subscriptions	122	17	0
"Pharmaceutical Journal" and publications	723	7	0
Restoration-fees	16	16	0
Registration-fees	49	17	0
School-fees	8	8	0
Examination-fees	2,037	4	0
	£3,059	19	8

With the balance carried forward from last month a sum of 4,571*l.* 9*s.* 9*d.* was available from which to pay the following amounts which the committee recommended for payment :

	£	s.	d.
On behalf of the Journal and publications	663	17	9
Stationery, etc.	15	18	7
Current expenses	350	0	0
Salaries, etc.	271	13	4
School and examinations	87	19	10
Law charges	26	11	6
House	68	11	10
Library	3	18	4
	£1,488	11	2

The following balances were shown on the Benevolent Fund :

	£	s.	d.
Current Account	152	10	6
Donation Account	22	15	1
Orphan Fund	4	17	8

Mr. GIBSON, in commenting upon the report, said that the Benevolent Fund had received a legacy of 90*l.* from the estate of the late Mr. W. Harris Wilson, and this, with money in hand, had enabled the Fund to pay 200*l.* off a loan from the London and Westminster Bank. It was also noted that the widow of a member who had received grants from the Benevolent Fund had sent 5*l.* to the Fund, she having received a legacy.

Mr. ROWSELL seconded the motion for the adoption of the report, and it was carried unanimously.

BENEVOLENT FUND COMMITTEE.

The report of the Benevolent Fund Committee was then taken *in camera*, after which

Mr. CAMPKIN, Chairman of the committee, moved the adoption of the report. He mentioned that there were nine applications for assistance, and that four were dealt with directly, the others being deferred. The sum of 46*l.* was recommended to be granted.

The report was adopted.

LIBRARY COMMITTEE.

The report of the Library, Museum, School, and House Committee was then presented by the Chairman (Mr. E. White). The Curator was granted permission to attend at his own expense the meeting of the Museums Association at Maidstone. The Curator was requested to assist the Leicester Chemists' Association in the formation of a materia medica collection. The Librarian was given permission to attend a meeting of the Library Association at Sheffield in September. Messrs. Parkinson & Son's accounts for 41*l.* 6*s.* were approved, and referred to the Finance Committee. In regard to the School, the issue of

the School prospectus was arranged for, and permission was granted for those students who fail to pass the Minor examination in July to be admitted, without payment, to a revision class for about a fortnight in September. The committee desired that the Council meeting which is generally held in October take place on September 29, so as to avoid postponing the commencement of the opening of the School session. Mr. Hills was recommended as an additional School visitor. Mr. Sydney Smith is to be appointed as an extra demonstrator in chemistry. Estimates are to be obtained for making good the damage caused to the Society's premises by an overflow of water. The committee, on the authority of the Council, appointed Mr. P. F. Rowsell as representative of the Society on the Court of the University of Bristol. The committee having been unofficially requested by the Council to deal—in the event of urgency—with the attempt to obtain a rebate of the spirit-duty, decided that in the event of an invitation being received for three members of the retail trade to meet a similar number of members of the wholesale trade, that the President, together with Messrs. Campkin and Cuff, be requested to attend such meeting on behalf of the retail trade.

Mr. WHITE drew attention to several of the matters dealt with in the report, and

Mr. ROWSELL thanked the Council for the honour conferred on him in electing him as the representative of the Society on the Court of the Bristol University. He explained that he had already attended a meeting of the Court, of which there are 200 members. From these the governing body is elected. Mr. Rowsell mentioned that at the meeting he met Dr. Richardson Cross, the oculist, who told him (Mr. Rowsell) that the Pharmaceutical Society's Library had been of great help to him during his student days.

The PRESIDENT, having congratulated Mr. Rowsell, put the motion, and it was carried unanimously.

THE LATE MR. BATESON.

The PRESIDENT then referred to the death of Mr. Thomas Bateson, Kendal, on June 12. He spoke of him as a kindly, gentle, good-hearted, and willing member of the Council.

Mr. GIFFORD added that it was always a delight to be associated with Mr. Bateson.

Mr. YOUNG mentioned that Mr. Bateson was related to Mr. Newsholme.

The Secretary was directed to send a letter of condolence to the son of Mr. Bateson.

THE PARLIAMENTARY SECRETARY.

The PRESIDENT then moved that Mr. W. S. Glyn-Jones be reappointed Parliamentary Secretary, and spoke of the great services which Mr. Glyn-Jones had been enabled to render the Society during the past year. He wished that Mr. Glyn-Jones were a member of Parliament, so that he could render greater services still to the craft.

Mr. YOUNG seconded, and said he had experienced the many and diverse good qualities of Mr. Glyn-Jones.

Mr. GIFFORD objected to the appointment on a matter of principle. It was a wrong policy, and the appointment was wholly unnecessary. What is wanted is an Organising Secretary; the Parliamentary work could be done by members of the Council. He desired that the appointment be postponed.

Mr. CROSS said he was sorry to see the least difference of opinion on this matter. The Council could not dispense with the services of Mr. Glyn-Jones at a time when the new Act needs very careful watching. There is no man better known or more in touch with pharmacists than Mr. Glyn-Jones.

Mr. HARRISON said that, although there are no legislative proposals before the Council, the question of the administration of the Poisons and Pharmacy Act is much to the front. No man is more competent to advise the Council than Mr. Glyn-Jones. The matter cannot possibly be postponed, as his services may be required before the next meeting of the Council.

The PRESIDENT then put the resolution, and it was carried, the only dissentient being Mr. Gifford.

Mr. GIFFORD then asked if the Parliamentary Fund was going to be placed on an official basis. This ought to be done in justice to the Council.

Mr. YOUNG: In justice to yourself.

Mr. GIFFORD: It is not a personal matter.

The PRESIDENT replied that the Fund is not under the control of the Council.

The School staff was reappointed.

The REGISTRAR reported that he had registered ten apprentices or students during the past month.

PARLIAMENTARY AND GENERAL PURPOSES COMMITTEE.

The report of the committee stated that the matter of the inclusion of chemists' assistants within the scope of the Government Shop Hours Bill was considered on a communication from the National Union of Assistant Pharmacists. It was recommended that the matter be deferred till the Bill is introduced. The Association of Women Pharmacists drew the attention of the committee to the present wording of the Society of Apothecaries' Assistants' certificates. Complaints regarding the granting of poison-licences were also considered. The Parliamentary Secretary submitted his report for the last three months.

HERBARIUM MEDAL.

Mr. JEFFREY reported to the committee on the Herbarium Competition. He recommended that the silver medal be awarded to Mr. J. Small, Brechin, whose herbarium was highly praised as of "all-round excellence."

The report was adopted.

RECIPROCITY REGULATIONS.

The Natal Pharmacy Board requested the Council to draw up the necessary regulations for admitting to the British register Natal graduates in pharmacy. A copy of the Natal Pharmacy Act was sent for the guidance of the Council. The letter was referred to the Special Committee which is considering matters connected with the Poisons and Pharmacy Act.

APOTHECARIES' ASSISTANTS.

A letter was then read from the Society of Apothecaries requesting the Council to take steps to pass by laws in accordance with the provisions of Section 4 of the Poisons and Pharmacy Act. The Court of Assistants, being anxious to assist apothecaries' assistants as far as they can, but not wishing to interfere with the discretion of the Council, offered the following suggestions:

The Society considers that the privilege should be limited to assistants who, in the first place, have held the certificate for a period of at least five years; who, in the second place, have been actually employed in dispensing since the date of obtaining their certificate down to the present time or date of admission on the Pharmaceutical Register; and who thirdly, at the time of registration, are holding appointments as dispensers under the Local Government Board or other public bodies in hospitals or dispensaries, or are acting as dispensers to medical practitioners in private practice.

This communication was referred to the Special Committee mentioned above.

CORRESPONDENCE.

The Assistant-Secretary in Scotland communicated the result of the election for member of the Executive of the North British Branch; also that Mr. J. P. Gilmour and Mr. W. Giles have been elected Chairman and Vice-Chairman of the Executive for the ensuing year.

Mr. D. GILMOUR at this stage said he wished to convey the feeling of satisfaction in Scotland at the appointment of Mr. Currie to the Vice-Presidency of the Society. The election would have a unifying and binding influence on the work of the Society.

Communications were received from the Oldham, North-East Lancashire, Peterborough, and Lancaster Associations regarding the granting of poison-licences, and urging the Society to take legal action to test the validity of the proceedings.

Mr. Thomas Parker directed the attention of the Council to a scientific system of British weights and measures, in which the grain is based on the inch. The Library Committee are to consider this letter.

SCHOLARSHIP AWARDS.

The committee on the awards of the Jacob Bell and Manchester Scholarships recommended that the Jacob Bell Scohlarships be awarded to Mr. W. Honeyman (Hartlepool) and Mr. A. L. Davidson (Montrose), and the Manchester Scholarship to Mr. H. Booth (Crewe). The

examiner reported that there were twenty-two competitors for the Jacob Bell Scholarship, and that seven obtained the qualifying number of marks.

Hanbury Medal.

The report of the adjudicators of the Hanbury gold medal was very brief. It recommended that the medal be awarded to Professor Tschirch, of Berne. The report was signed by the Presidents of the Pharmaceutical Society, the Chemical Society, and the Linnean Society.

Poison-licences.

There were two notices of motion on the agenda. The first was by Mr. J. R. Young :

> That the Law Committee be requested to take immediate steps to investigate the validity of certain licences granted in large centres of population already amply supplied with statutory sellers of poisonous substances. Further, that, subject to the judgment of the President and the Chairman of the committee, the Registrar be authorised to at once procure evidence for submission to the committee, with the view to secure at the earliest possible moment a judicial ruling on the points involved.

The other notice of motion, by Mr. Lord Gifford, was as follows :

> That, in view of the indiscriminate granting of poison-licences by local bodies, in contradiction to the specific statements and assurance of the Minister in charge of the Poisons and Pharmacy Bill during its passage, the Government should be pressed to issue a circular to the bodies concerned, pointing out that the licences were only to be granted where ample facilities do not exist, and that there is reason to believe that licences are being issued too freely.

Mr. Young, in moving the resolution standing in his name, said that the time has arrived for emphatic action, and the wording of his resolution was intended as a definite instruction that something should be done at once. The Council must, however, keep in mind that the subject can be approached in more than one way. Some of the licences have been granted because there has been no opposition from local chemists, while in other cases the opposition was not so well organised as to be effective. A large number of chemists are indignant at what they regard as a departure from the spirit of the Act, and he (the speaker) urged that the Act is being interpreted by local authorities in a way that was not intended to be. The result is another example of the evils of permissive legislation, which class of legislation he regarded as a failure, however and whenever applied. It has to be remembered that when a committee, and afterwards a Town or County Council, have debated the question of granting poison-licences, and have interviewed all parties, it is difficult to urge that the requirements of the neighbourhood have not been considered, although chemists are astounded at the result which men arrive at who are credited with intelligence. The policy of the restriction of the distribution of poison always results in a diminution of cases of accidental poisoning. The resolution, if carried, would, he contended, give the Council ground to work upon, and enable the matter to be taken up at once. The validity of the licences could be challenged in more ways than one, such as the question of granting them to companies and partnerships, and whether a servant can sell under the cover of a licence granted to another person.

Mr. F. J. Gibson seconded. He said that a great deal of the trouble was due to ignorance and the influence of circulars and letters sent to public bodies before chemists have had an opportunity of stating their views. He referred to the case of Wolverhampton, where it was clear that the Council had made up their mind before they interviewed the chemists' deputation.

Mr. Gifford asked for information as to the order in which the notices of motion were received.

The President : Mr. Young's was received first.

Mr. Gifford said he was glad to see the attitude of the Council, but he did not think that the resolution well voiced the urgency of the matter.

The President : The first line of the resolution refers to "immediate steps," and it is intended, if the resolution passes, to call a meeting of the Law Committee this afternoon.

Mr. Gifford, continuing, suggested that the resolution should have an addendum asking the Government to make good the intention expressed during the passing of the Bill through the Houses of Parliament. This course would have been justified two months ago, and it seemed to him the best way of proceeding. He contended that the local authorities had no legal authority to extend the provisions of the Act in the way that is being done. Mr. Gifford then referred to the answers to Mr. Snowden's questions in the House of Commons and to an interview he had had the previous evening with Mr. Snowden. The last-named informed Mr. Gifford that he regards the Government replies as of great importance and the subsequent action as most unusual. Mr. Snowden advised that the Council should at once send a deputation to the Home Office, so as to bring the views of the Society before the Government. The least that could be done by the Government is to issue an instruction to the various public bodies as suggested in his notice of motion.

Mr. Campkin said the opposition of chemists to the granting of poison-licences had not been sufficiently strenuous in some districts. The arrangements used by the Cardiff chemists were excellent, and if a body were not moved by these it would be hopeless to expect any good results. It must be admitted that many of these bodies are moved by local and personal considerations, and he thought the matter should be brought directly before the Home Office. Chemists, as a body, have very little electoral influence, because, as a rule, chemists take but small part in local or political matters. He complained that too little support was obtained from other professional bodies, such as lawyers, in the House of Commons.

Mr. Rowsell emphasised the need for immediate action. The Council ought to send a resolution to the Government and back it by evidence. At Exeter a poison-licence was given to a seedsman who was within a stone's throw of seven qualified chemists.

Mr. Gilmour, who had intended seconding Mr. Gifford's motion, asked if Mr. Young would consent to an addendum on the lines of Mr. Gifford's motion.

Mr. Young said he would consent to the addition of the following words, with a view to widening the scope of his motion : "And to take any other steps that appear desirable."

Mr. Gifford : Why not say in plain English what you will do? Will you agree to send a deputation to the Home Office?

Mr. Young : I think this should be left to the discretion of the committee. It seems inconsistent to send a deputation to the Home Office when that Department of State has nothing to do with the subject.

Mr. Gifford : That opinion is directly opposed to Mr. Snowden's.

Mr. Young : It would not be wise to shackle the committee before they consider the advisability of sending such a deputation.

Mr. Cuff agreed that the resolution should go to the committee without the condition which Mr. Gifford desired to make.

Mr. Harrison said some of the speakers had not read Mr. Young's motion. Mr. Gifford, for instance, wanted some reference added as to the urgency of the matter, and the words of the resolution contain the expressions, "immediate steps," "at once," and "at the earliest possible moment." Mr. Gifford interjected a remark at this point, and Mr. Harrison said he wished Mr. Gifford would allow him to speak, and not try and monopolise the whole time of the Council. Continuing, Mr. Harrison said there are two methods of proceeding, but he did not agree with that proposed by Mr. Gifford. The answer of the Government would be obviously that it was not for it to interpret the law. Ministers cannot be responsible for everything in an Act of Parliament. Alterations are made during the progress of a Bill, or there is obscure phraseology which only a court can interpret. The difficulty is that local authorities have mistaken the objective of the Act, which chemists believe to be to enable persons living in sparsely-populated districts to obtain poisons required in agriculture with as little inconvenience as possible. The Act allows poisons to be sold in such cases under certain conditions, but it was not intended to legalise a practice that had grown up of unqualified persons vending poisons. The appeal should certainly be to the courts of law at once, and not to the Home Office. In regard to the plea that much time has

been lost, he reminded the Council that the Act has only been in force for three months, and a certain amount of time is necessary to see how local authorities would interpret the Act. If the evidence which is collected turns out not to be strong enough to go to the courts with, then will be the time to appeal to the Government.

Mr. HAGON said that, even when the chemists' view of the object of the Act is pointed out, local authorities do not recognise it. The principle of the Act is the point that should be established first, the other minor points mentioned by the President would follow. He appealed to Mr. Young to add the words which he (Mr. Young) had mentioned, so as to widen the scope of the resolution.

Mr. YOUNG said there was a general disposition to pass the resolution as originally proposed, but he thought Mr. Gifford would be wise to allow the suggested addition to cover the matter of his (Mr. Gifford's) resolution.

Mr. GIFFORD said he would agree on the distinct understanding that his proposition would come before the committee that afternoon.

Mr. GILMOUR complained that the spirit of the Act is misapprehended, and that the questions at issue are not decided in a judicial spirit, but from the commercial standpoint of "one man's as good as another."

Mr. YOUNG could not promise Mr. Gifford that the subject of his motion would be discussed that afternoon. It might be that all that would be done would be to appoint a sub-committee.

Mr. ALLEN said it could not be said that the Society have ever approached the subject in an improper spirit. The Council have always had in view the protection of the public and the preservation of the examined man. These local authorities approach the matter from one side only, and zthat in a spirit of pure commercialism.

The PRESIDENT then put the motion, having added to it the addendum as agreed to by Mr. Young.

This motion was then carried.

Mr. GIFFORD asked that his point should be considered by the committee, and obtained a promise that it would come up that afternoon.

This ended the public business.

Business Changes.

Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.

MR. J. J. JOHN, chemist and druggist, has opened a pharmacy at High Street, Narbeth. It has been elegantly fitted by Messrs. S. Maw, Son & Sons.

MESSRS. G. F. BOLING AND C. E. BROWN have commenced business as flint-glass bottle merchants at 1 Aldersgate Buildings, Aldersgate Street, London, E.C.

MR. J. T. SMITH, of the dissolved firm Lander & Smith, Canterbury, has acquired the wholesale branch of the business (Mr. Lander having the retail) and is continuing it at the Towers Works, Kirby's Lane, Canterbury, as J. T. Smith & Co.

MONSIEUR MARAVEL, the Paris representative of Lautier Fils, Grasse, has retired, his position being filled by M. Bruno Belowsky, who has been in the firm's works at Grasse for the last eleven years. M. Belowsky will have charge of the Paris depôt at 78 Rue Réaumur.

MR. R. B. THURSTANS, chemist and druggist, who was apprenticed with Mr. Brigham, of Selby, recently acquired the business of the late Mr. F. Taylor of the same town. A few weeks later Taylor's Drug Stores, of Leeds, opened a branch two or three doors away from him. Selby has now five chemists and one company shop to cater for its requirements.

CREOSOTE OIL FOR NEW ORLEANS.—Creosote oil, duty free, from the United Kingdom is shipped to New Orleans in tank steamers instead of in barrels, as heretofore. Much is used in New Orleans by the various railway, telegraph, telephone, and tramway companies. The rest is sent all over the country for similar purposes. Some 9,919,362 gals., valued at 145,406*l*., were imported in 1908, as against 4,671,119 gals., valued at 51,840*l*., in 1907 and 4,631,285 gals., valued at 41,800*l*., in 1906.

Agri-Horticultural Poisons.

Notices of Application

for licences under Section 2 of the Poisons and Pharmacy Act have been lodged with the local authorities named.

Subscribers and others would oblige us by sending information with reference to applications. Copies of newspapers containing the advertisements of applicants would also be esteemed.

ABERDEEN. The names of the applicants for licences referred to in the *C. & D.*, July 3, p. 22, are: Magnus H. Sinclair, seedsman, 156A Union Street; George Mearns Cooper 143 Blenheim Place, for Benjamin Reid & Co., 72 Guild Street; Robert Robertson Ross, 7 Strawberry Bank, for Barclay, Ross, & Tough, 67 71 Green; James Robertson, 14 Hadden Street; William Reid, 10 Hosefield Avenue, for William Reid & Leys, 8 Hadden Street; Alexander Robson, 46 Belgrave Terrace, for William Smith & Son, 18 Market Street; John Anderson, 362 Holburn Street, for George Bruce & Co., 14 Regent Quay; P. McHardy, 30 Guild Street; Alexander M. Cocker, 7 Elmbank Terrace, for James Cocker & Sons, 130 Union Street, seedsmen.

ABERDEENSHIRE.—Gordon Garden, Inchley, Torphins; George Cheyne, Turriff; David Wallace, Lumphanan; W. Wathe, Bellabeg, Strathdon general merchants; Adam Duthie, Tarves; James Murray, Oldmeldrum; James Gammie, Warthill; R. C. Dick, 7 Catherine Street, Aberdeen and Davah, Inverurie; David Ross, Aboyne.

ARGYLL.—H. Blair, Tayinloan.

BIRKENHEAD.—T. Garner (British Fertiliser Co.), 5 Canning Street.

CAMBERLEY (SURREY).—W. G. Craig, nurseryman, 4 High Street.

CUMBERLAND.—J. Duff, grocer, Holmbrook.

DUMFRIESSHIRE.—Thos. Tennant, ironmonger, Ecclefechan.

DUNFERMLINE.—P. T. Bonnar, ironmonger, 41 High Street.

FORFARSHIRE.—John Johnston, ironmonger, Glamis.

INVERNESS-SHIRE.—J. & D. Mackinnon, Invergarry; A. Ferguson, Clachan, North Uist, general merchants.

MIDDLESEX.—T. Trussler, nurseryman, Windmill Hill, Enfield

PRESTON.—W. Crook, seedsman, Chapel Walk.

SITTINGBOURNE.—H. Filmer, seedsman, 23 High Street.

STRATFORD-ON-AVON.—J. W. Butcher, nurseryman, Warwick Road.

TWICKENHAM.—E. Poupart, seed-merchant, 26 London Road.

YORKSHIRE.—Charles Pearson, oil and sheep-dip merchant, Richmond-on-Tees, Leyburn, Masham, and Hawes.

Consideration of Applications.

ABERDEEN.—The proceedings before the Public Health Committee of the Town Council on June 30 were briefly mentioned in the *C. & D.*, July 3, p. 22.—Mr. W. D. Reid, who represented the seedsmen, said that hitherto the objections to the granting of licences to seedsmen had resolved themselves into three different classes: (1) The requirements in the neighbourhood were already sufficiently supplied by the qualified chemists in the neighbourhood; (2) from considerations of public safety it was unwise to grant these licences; (3) that there was some pecuniary loss to chemists by the licences being granted. As proof that the Poisons and Pharmacy Act gave preference to nurserymen and seedsmen in the way of obtaining licences, he said he defied anyone to point out a part of Great Britain where these tradesmen existed with no qualified chemist in the same place. The requirements of the public would never be satisfied until these licences were granted to seedsmen, who have hitherto done the great bulk of the business in insecticides and sheep-dips. Chemists do not really stock these substances. Here and there they would find an isolated chemist who would stock a peculiar brand, but there were between thirty and forty different brands of insecticides. The chemist was not qualified in the same way as the seedsman to say what each of these brands of insecticide would do to each particular plant. It is a daily occurrence for seedsmen in Aberdeen to receive letters from their customers asking advice as to what to do in special cases, advice which chemists could not possibly give.—Mr. A. Blacklaw, on behalf of the chemists, traced the growth of the trade in agri-horticultural poisons and the steps that have been taken to stop the illegal sale of poisons. The Pharmaceutical Society have spent 700*l*. per annum in instituting proceedings, and the result of these successful prosecutions was the agitation which resulted in the appointment of the Departmental Committee and the passing of the Poisons and Pharmacy Act. The Act, he said, speaks for itself. It says that so far as insecticides or sheep-dips are concerned—which are poisons by reason of their containing arsenic—that the restriction of the Pharmacy Act is to be removed from such persons as are licensed by the licensing authority. But before granting any licences the authorities are to take into account that the reasonable

requirements of the public are satisfied. It could not be said that Aberdeen is the Highlands and Islands of Scotland, where there are no chemists, and he could not see any difference between it and the City of London, where it is said that it will be unnecessary to grant licences. Mr. Blacklaw mentioned several chemists in Aberdeen as gentlemen dealing largely in the substances referred to. He was authorised to say that all the druggists in Aberdeen are prepared to stock and deal in these things if there were a sufficient demand for them. The majority of them stocked the poisons, but not to the same extent.—Mr. James Paterson said he would like to point out that the applicants could not sell the substances out of Aberdeen; they could not go to the country for orders; orders had to be made personally in the shops, and could not be recognised by letter. After hearing the deputation, the committee unanimously resolved to recommend the Council to grant all the licences applied for.—The Town Council had before them on July 5 the subject of the granting of licences. As at the committee, so now at the Council meeting, both parties were represented. Those appearing for the Pharmaceutical Society were Mr. J. Rutherford Hill (Assistant Secretary to the Pharmaceutical Society), Mr. Andrew Craig, Mr. W. F. Hay, Mr. Wm. G. Giles, Mr. J. Reith (Cults), and Mr. James Paterson, with Mr. Blacklaw, the local Society's legal agent. The representatives of the seedsmen were Messrs. Cocker, Robson, and Sinclair, with Mr. W. D. Reid, solicitor, their law agent.—Mr. Blacklaw, going over similar ground to that which he did before the committee, said it could not be said that there are not sufficient facilities for the farmer getting sheep dip and the market gardener weed-killers and insecticides.—Lord Provost Wilson asked if the word "requirements" might not include "advice"?—Mr. Blacklaw said that if a seedsman were also a nurseryman he might, out of his own experience, be able to advise; but so far as he was simply a seedsman, he knew no more about the matter than any other non-expert.—Mr Rutherford Hill, who spoke next, dealt with the gravity of the situation in reference to public health and safety. The discretion put upon the Council was an exceedingly onerous one and invidious, because naturally they did not wish to seem to do anything against citizens of repute who admittedly had been carrying on an illegal traffic which they now desired to have legalised. Mr. Hill exhibited samples of poisons, referring to their extremely dangerous nature, and gave an example of a very deadly poison being purchased ostensibly for use in horticulture, and used to eradicate ants in a bakehouse. Mr. Hill likewise touched upon the exorbitant prices charged for some of these preparations by the manufacturers, who put them up under fancy names and did not disclose the name of the poison contained. He also said that the seedsmen could give no information to the purchaser beyond what was on the label. The Board of Agriculture furnished ample information to the public as to how to treat these pests, and the public over the whole country are in the habit of going to the chemist to get these remedies prepared, and the chemist is always the local expert in advising the public as to the use of any insecticides, and is eminently qualified for the purpose. Chemists are anxious about this, because a great principle is involved, viz. that a poison should only be handed to the public, whether in a sealed package or otherwise, by the hand of a duly trained and qualified person. The mixing of a poison is not protected by any legislation but the handing out of it is a critical act, and the person handing it out must be able to judge of the fitness of the purchaser, and give him suitable instructions and warning at the moment of sale.—Mr. W. D. Reid disputed the restricted meaning which Mr. Blacklaw gave to the Act, and argued that the reason why the Act was passed was that people wished to go to seedsmen for those poisonous substances which were required for purely horticultural and agricultural purposes, and which chemists have not facilities for supplying. He further contended that no harm could possibly come from the sale of these substances. The vital act, he said, is the drinking of the poison, and if a human being wished to obtain poison he would be able to get it as readily from a chemist as from a seedsman.—Mr. Burnett, the convener of the Public Health Committee, said he was prepared either to leave the matter over or move the adoption of the committee's report. It was agreed to remit the matter to the committee for further consideration.

Belfast.—The Police Committee recommend that the following licences be granted: Thos. Beattie & Co., nurserymen, 100 High Street; Arthur S. Ritchie, seed merchant, 89 and 91 Victoria Street; Alexander Dickson & Sons, Ltd., seedsmen, 55 Royal Avenue; Andrew Graham, trading as Messrs. Joseph Orr & Son, nurserymen, 12 and 14 Ann Street; and Frank E. Smith, florist, 15 and 17 High Street.

Cambridge.—The Local Government and General Purposes Committee of the County Council on July 3 considered the application of Ezra John Todd, Cottenham, for a poison-licence. The committee had received notice that the principal poisons required in agriculture and horticulture can already be obtained from A. Holdgate, Cottenham, and W. Spencer Turner, Willingham. Mr. H. F. Cook opposed the granting of the licence, and the committee unanimously decided to recommend the Council to refuse the application.

Derby.—The Sanitary and Registration Committee of Derby Town Council has recommended the Council not to grant the application of J. M. Stewart, Tenant Street, for a licence.

Eastbourne.—The Watch Committee decided to recommend the Council to grant licences to T. Durrant Young, F. G. Miller, G. T. Scott, and A. J. West.

Hove.—The Watch Committee considered applications for licences from William Balchin and Henry Balchin, 160 and 162 Church Road, Hove (see *C. & D.*, May 1). The Chief Constable reported that the premises conformed to the regulations. A petition from fifteen chemists and druggists carrying on business within the borough was received in opposition. The committee decided to recommend the granting of the licence.

Liverpool.—The Health Committee have had an interview with the local Horticultural Traders' Defence Association, and after obtaining a report from the Town Clerk on the subject, recommend licences be granted to certain persons and firms to sell poisonous substances for exclusive use in connection with agriculture and horticulture. The supervision of licences is to be entrusted to the medical officer's department. These recommendations come before the City Council at the July meeting.

London.—The Public Control Committee of the London County Council on July 6 recommended that a licence be granted to Messrs. W. Cutbush & Son, Highgate, and that a licence be not granted to the Army and Navy Auxiliary Supply Co., Ltd., Francis Street, Westminster.

Northampton.—The Watch Committee of Northampton Town Council considered an application from Alfred Cockerill, 18 and 20 The Drapery, for a licence. No objections were received, and Mr. A. M. Troup explained to the committee that applicant would set aside a room on the first floor of the premises to be used exclusively for the storage and sale of poisons, in order that the same may be kept apart from fruit, vegetables, and other articles sold in the establishment. The committee recommended that the application be granted.

Applications Granted.

Berwick.—At a meeting of the Town Council on July 6, a local seed-merchant applied for a poison-licence. His application was opposed by a solicitor who appeared on behalf of six registered chemists in the town. The Town Council, after discussion in committee, agreed to grant the licence subject to the police reporting satisfactorily on the premises.

Croydon.—The recommendation of the Sanitary Committee of the Croydon County Council to grant licences for the sale of poisonous substances for use in agriculture and horticulture to Edward William Rogers, seedsman, 62 High Street, Croydon; Hammond & Hussey, ironmongers, High Street, Croydon; and Arthur Harvey Naylor, seedsman, 35 George Street, Croydon, was adopted at the meeting of the Council on July 5. The committee heard representatives of the local chemists in opposition.

Dewsbury.—The Town Council have granted a licence under the Act to Mr. Ernest Ballance, seedsman and florist, Market Place

Reigate.—At the meeting of the Town Council on June 30 a licence was granted to Mr. C. R. Dales (see *C. & D.*, May 22).

Applications Refused.

The Hastings Town Council had before it a report from its Licensing Committee recommending that licences be granted to four nurserymen and seedsmen (see *C. & D.*, June 26). When the matter came before the Council the Chairman of the committee refused to move the adoption of the report. After it had been moved by Councillor Reed, Dr. Gray proposed as an amendment that the licences be not granted, as the reasonable requirements of the public were satisfied. This was carried by the casting vote of the Chairman.

Lancaster.—The Town Council has decided not to grant a licence to Mr. J. L. Preston and Mr. W. B. Preston, trading as Fenton & Co., ironmongers.

Tunbridge Wells.—A deputation from the Tunbridge Wells Association of Pharmacists waited on the Town Council on July 7.—Mr. A. E. Hobbs put the case against granting poison-licences. The Council then discussed the matter, and decided by fourteen votes to nine not to grant licences, as the requirements of the neighbourhood are fully met.

Workington.—The Town Council on July 6 heard the opposition of the Workington Chemists' Association to the granting of a poison-licence to Messrs. Gibson & Sons, Ritson Street.—Mr. T. S. Sewell, solicitor for Messrs. Gibson Bros., said it was in response to the representation of their customers, who were mainly farmers in the district, that the application was made, and that they were not setting up a new business.

Alderman Duffield: Would it not be better for the farmers to come here and say whether it will be a benefit to them if we grant the licence?—Mr. J. R. Mason, who was spokesman for the Chemists' Association, said they did not oppose with any feeling of trade jealousy, but solely because ample facilities for obtaining the sheep-dip already existed.—Councillor Thompson said, after the deputation had retired, if they granted the application they might have more. Then if an accident occurred—say the contamination of food—the Town Council would be responsible. The sale of these poisons ought to be in the hands of qualified men. The licence was refused by a large majority.

Fees Fixed.

Eastbourne.—Licence 5*s.*; renewal 1*s.* 6*d.*
Exeter.—Licence 10*s.* 6*d.*; renewal 1*s.* 6*d.*
Hastings.—Licence 10*s.* 6*d.*; renewal 1*s.* 6*d.*; inspection of register 1*s.*
Hove.—Licence 10*s.* 6*d.*; renewal 1*s.* 6*d.*

Interesting Items.

Mr. T. G. Dobbs wrote a letter to the "Eastern Daily Press," in which he states that that journal is under a misapprehension as to the purpose for which the Poisons and Pharmacy Act was passed. Mr. Dobbs, however, does not get much change out of the Editor, whose comment, which we reproduce, shows that he (the Editor) knows what he is writing about:

"Reading Mr. Dobbs's letter, anyone not acquainted with the actual documents might easily imagine that the Act was intended to confer upon nurserymen and seedsmen the right to sell these poisonous compounds, and that the directions to local authorities simply deal with the conditions attaching to licences. Mr. Dobbs creates that impression by quoting a little bit of the Departmental Committee's report, and by selecting two out of the long list of directions contained in the Order in Council; and so proves to his own satisfaction that the Executive Committee of the Norfolk County Council was in the wrong in refusing the licences. Unfortunately for Mr. Dobbs's case, he forgets to quote certain other of the directions to local authorities which, if he had quoted them, would have destroyed his claim that these licences should be issued as a matter of course and of right. For example, one of the directions requires local authorities, before granting any such licence, to consider whether there are not already sufficient facilities in their district for obtaining these poisons. And that gives the key to the purpose of the Act. It is simply intended to prevent inconvenience to agriculturists and others requiring these poisons by reason of the absence of the ordinary facilities; and by no means to make the trade in dangerous poisons easy. If existing facilities are sufficient, the local authority would be acting against the spirit of the directions in granting licences."

At a meeting of the Barnstaple Town Council on June 30 a communication was received from Sir A. W. FitzRoy, Clerk to the Privy Council, enclosing a letter received by him from seven chemists of the borough relative to the granting of a licence under the Act by the Council, and asking for the observations of the Corporation. In their letter the chemists pointed out that there are six qualified chemists in the town and one drug-store supplying the poisonous substances named in the Act. They complained that a deputation of chemists was not called upon by the Corporation to answer any questions, and that the Council granted the licence without calling for any evidence as to whether the reasonable demands of the public were met. The Medical Officer of Health and the Borough Coroner were both opposed to any licences being granted, and as the Council's action appeared to be quite contrary to the spirit and letter of the Act, they asked to be advised as to what remedy they had, seeing that the regulations have had no effect.—Mr. White corroborated the statements in the letter that the chemists had not been taken into consideration in the slightest degree. No one could say that the local requirements were not amply met. The committee originally recommended that the licence should be refused, and this was only reversed by the Mayor's casting vote. The Council decided that the Town Clerk should draft a reply to the communication and submit it to the Town Council in committee.

Messrs. Evans Sons Lescher & Webb, Ltd., now enclose with their price-list a note as follows: "In view of the efforts being made by seedsmen and others to obtain licences for the sale of horticultural and agricultural poisons, which efforts will be successful if registered chemists do not afford reasonable facilities to the public of obtaining same through them, we urge all our customers to stock at once an assortment of horticultural poisons, especially in cities and large towns, and also of poisonous sheep-dips in agricultural districts. We would suggest the assortment as per accompanying list to be held in stock pending the demand which is sure to set in towards chemists." The list quoted is similar to one which a "Country Pharmacist" gave in the *C. & D.* recently.

Association Affairs.

Brief Records.

Tunbridge Wells Association of Pharmacists.—The last meeting of this Association was held at 33 Mount Pleasant on June 29, the President (Mr. J. H. Bishop) in the chair, there being also present Messrs. Booth, Batting, Clarke, Chatterton, Hobbs, Harden, and Webb. A letter was read from the Town Clerk stating that the Watch Committee had decided to recommend the Town Council to grant poison-licences to three florists. The Association decided again to endeavour to put before the Councillors the serious results which might arise should these licences be granted. Mr. Batting was unanimously elected Vice President of the Association. [The Association was invited to send a deputation to the Town Council, with the result reported on p. 60.]

Sunderland Chemists' Association.—The quarterly meeting of this Association was held at the Grand Hotel on June 29, Mr. E. R. Cherrett presiding. The Pharmacists' Representation Fund was the subject for consideration, and it was agreed that it was desirable that further information should be obtained from the committee as to the lines on which this fund is to be conducted. The general feeling was that the Fund ought to be run like other Parliamentary funds, by making a call upon all the members of the trade for a small definite sum, monthly or quarterly, to be collected locally, leaving it to individuals to contribute more if they please. A letter was read from the Newcastle Chemists' Association inviting the members of the Sunderland Association to join them in their annual outing on August 25, Warkworth being the place chosen.

N.U.A.P.—These initials occur on two reports which come to us, and we find that the initials mean "National Union of Assistant Pharmacists." One report deals with a meeting held at the Town Hall, Stratford, on July 1, Mr. C. Terry Holloway being in the chair, at which Mr. Satto read a paper on "The Cause for a Union and its Objects." An interesting discussion followed. Mr. Roberts spoke of the necessity of a Union of Assistant Pharmacists in Stratford and district, and several new members were enrolled.—The second report is of a meeting at the Glasgow School of Pharmacy, 180 West Regent Street, on Thursday evening, July 1, to consider the advisability of forming a local branch, Mr. Tulloch in the chair. Mr. Dunnet spoke on the objects of the Union, and the following officers were elected: President, Mr. Tulloch; Vice-President, Mr. David McNab; Secretary and Treasurer, Mr. Leonard McNab, 41 Sinclair Drive, Langside, Glasgow; Committee, Messrs. Sievewright, Robb, Clancy, Stuart, Thomson, and Rae.

Grimsby Pharmacists' Association.

A Meeting of this Association was held at Walton's Hotel on July 5. Those present were Messrs. Cor. Willson (President), H. W. Colley, R. C. Johnson, W. G. Robinson, H. Schofield, E. Sigley and F. W. Heely (Hon. Secretaries). A communication from the Secretary of the Federation was read, giving an outline of the Conference meeting of the Federation to be held at Newcastle. No delegate was appointed, as none of the members of the Association will be present at the Conference. After some discussion on the question of the Parliamentary representation of pharmacists, the Secretary was asked to make a canvass of the pharmacists in the district and endeavour to obtain support of the scheme. The organisation of the summer excursion was left in the hands of a sub-committee consisting of the President and Secretaries.

Summer Outings.

At High Beech.

The employés of Messrs. Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, London, E.C., held their Saturday afternoon outing on July 3. The party left Bartholomew Close in four-horse brakes and drove to High Beech. High tea was served at the King's Oak, then afternoon and evening were most pleasantly spent in rambling through the glades of the Forest. It was a very successful outing and thoroughly enjoyed by all, the splendid weather materially contributing to the pleasure.

Among the Lakes.

The Annual Excursion of the Keighley Chemists' Association took place last week, when a party of members and friends visited the Lake District. The party travelled by

train to Lakeside Station, Windermere, where steamer was taken up the lake to Bowness; this being followed by an enjoyable drive in the Troutbeck valley to the pretty village of Troutbeck. The return drive was by way of the Ambleside Road. The party arrived back in Keighley shortly before 10 o'clock.

"Boots" at Play.

THE ANNUAL SPORTS of the employés of Boots Ltd. were held at Nottingham on Saturday, July 3, a party of about seventy from the London Drug Warehouse, Borough Road, S.E., being included. A most enjoyable day was spent, and several prizes were won by the Londoners. A feature of the afternoon was a comic cricket match between London and Nottingham. Luncheon and tea were provided by Mr. and Mrs. Jesse Boot, who were present at the sports.

At Sunbury Lock.

WE reported last week the river trip organised by the Thames Valley Chemists' Association. We now give a photograph of the party, taken when the *Balmoral* was in Sunbury Lock:

[*Photo by Eastman & Sons, Maidenhead.*

Starting from left to right of funnel.—Mrs. Sergent, Mrs. Bailey, Mr. Bailey, Mr. Peake, Mr. Hughes, Mr. Procter, Mr. Arrowsmith.
Back Row.—Mr. Evans, Mr. Dix, Mr. S. A. Noble, Mrs. Noble, Mrs. Dickenson, Mr. Paget Matthews, Mrs. Makepeace.
Second Row.—Mr. Jamieson, Mr. Shaw, Mr. C. A. Noble, Mr. Shirtliff, Mr. Symonds, Miss Grieves, Mr. Evans, Mrs. Dix, Mr. Dickenson, Miss Dickenson, Mr. Pinto Nash, Mrs. Paget Matthews, Mrs. Deal, Mrs. Lockyer, Mr. Deal, Miss Harrington, Mrs. Harrington, Mrs. E. White, Mrs. Humphrey, Mr. Palmer.
Front Row.—Mr. Milner, Mr. Makepeace, Miss Makepeace, Mrs. Arrowsmith, Mrs. Noble, Mrs. Harvey, Mr. Browne, Mr. C. T. Allen, Mrs. Browne, Mrs. Pinto Nash, Mr. A. Higgs, J.P., Miss Matthews, Mrs. Shaw.
Edge.—Mr. F. Harvey, Mr. Leonard Higgs, Miss Dorothy Higgs.

"Dunharts" in Dunfermline.

SINCE our last issue we have received notes about the eleventh annual picnic of the employés of Messrs. Duncan, Flockhart & Co., South Canongate, Edinburgh, which took place at Dunfermline on Saturday, June 26, when a company of a hundred and sixty travelled from Waverley Station. The forenoon was spent in sports at the public Park, and the afternoon in Pittencreiff Glen, at Culross, or elsewhere, as the participants pleased. A midday dinner was served at Macgillivray's Temperance Hotel, and tea later in the day. After tea an excellent programme of dancing and songs was gone through. The homeward journey was commenced at 8.26 P.M. in a special train, which arrived at Edinburgh shortly after 9 P.M., everyone having thoroughly enjoyed the day's outing.

Beautiful Bournemouth.

ON July 3 the employés of Messrs. Baiss Brothers & Stevenson, Ltd., 4 Jewry Street, London, E.C., had their annual outing to Bournemouth, all catching the 6.25 A.M. train. After dinner at the Quadrant, The Square, Bournemouth, the toast of "The Firm" was honoured, and then most of the party took coaches to Branksome Chine, the pine-forests reminding the members that it is from them that the famous disinfectant "Pinesyl" takes its name. Others took boat to Swanage, and a very enjoyable day ended by catching the 8.12 for Waterloo, everyone being pleased with the arrangements made by the steward, Mr. George Sheath.

Harlene Outing.

THE ANNUAL OUTING of Edwards' "Harlene" Co., 95 and 96 High Holborn, London, W.C., took place on July 1. A trip to Clacton-on-Sea was arranged for the employés, who numbered over 100 people. At the dinner the chair was taken by Mr. R. G. Edwards, chairman of the company, who was accompanied by Mrs. Edwards. During the speech that followed the dinner Mr. Edwards said the prosperity of the company is increasing year by year—so much so that the present premises in High Holborn have had to be enlarged to cope with the increase of business, and all departments are now working to their utmost capacity. The party returned home at 10 o'clock, after spending a most enjoyable day of fresh air and sunshine.

At Southend-on-Sea.

THE LONDON STAFF of Messrs. Stafford Allen & Sons, Ltd., had their outing at Southend-on-Sea on Saturday, July 3. Some of the early risers, anxious to make the most of the day, got to Southend soon after seven o'clock; others went down by later trains, and a number by the *Golden Eagle*, the last having the best of it, as the weather was perfect and the trip down the Thames was splendid. All met together at luncheon, Mr. Kenneth C. Allen representing the directorate, and Mrs. Allen was with him, by invitation. Mr. John Hobbs, the general manager, was also present, and Samuel Hardwick, the firm's old engineer, who has now retired on a pension after over sixty years' service, was among the six-and-sixty who lunched. Brief and complimentary speeches followed the feast, then all spent the rest of the day very enjoyably and as the spirit moved them.

By the Solent.

THE EMPLOYÉS of Messrs. Geo. Curling, Wyman & Co., 58 and 59 Bunhill Row, E.C., held their nineteenth annual excursion on July 3, proceeding by rail to Portsmouth, which was reached just before 11 A.M. The first item was a visit to Nelson's old flagship the *Victory*, after which the party had dinner at the Royal Portland Hotel, Southsea, on the invitation of the firm. Mr. F. J. Brookes presided, and Mr. H. Parks was in the vice-chair. The loyal toast having been honoured, Mr. Parks gave the toast "Success to the Firm." In the course of his speech he referred to the scheme of changing the hours of work during the summer months, which is in successful operation in the house, thus anticipating the Daylight Saving Bill. Mr. Brookes acknowledged the toast and a cordial vote of thanks was accorded to the stewards. The afternoon was devoted to a trip to the Isle of Wight, tea being taken in Ryde, and the party reached London again at 11 P.M., after one of the most successful outings they have had.

A Southport Picnic.

THE EMPLOYÉS of Messrs. R. Sumner & Co., Ltd., Liverpool, held their annual picnic at Southport on July 3, when a party of nearly a hundred spent a most enjoyable day. Valuable prizes were competed for in a keen and sportsmanlike manner, while a cricket-match between elevens chosen from the married and the single men ended in a draw in favour of the bachelors. The attractions of Southport were also well patronised. Dinner and tea

were served at the Temperance Hall, and after the tea Miss Esther Overton, daughter of Mr. John Overton, director, presented the prizes won by the successful competitors. Votes of thanks were passed to the directors of the firm, Miss Overton, and the Picnic Committee (Messrs. Stone, Cotley, Stevenson, Southart, Poole, and Hoey), to which Messrs. John Overton and S. L. Austin (North of England representative) responded. The party arrived back in Liverpool about 10.30 P.M.

A Cornwall Day.

THE ANNUAL EXCURSION in connection with the Plymouth, Devonport, and Stonehouse Association of Pharmacists took place on June 30. Leaving Mutley at 1.15 P.M., the company was added to at each station in the Three Towns until, on reaching Bodmin Road, the numbers were sufficient to fill two waggonettes. A drive was taken to Lanhydrock, the seat of Viscount Clifden. Leaving there the drive was continued through a lovely valley to one of Cornwall's historic castles—Restormel—now only an ivy-mantled ruin, but in spite of this it was thoroughly explored. Shortly before 5 P.M. the party left for Lostwithiel, where tea was taken at the Royal Talbot Hotel. After tea Mr. Porter proposed the health of the President, and Mr. Davey responded, and then the Excursion Secretary (Mr. F. Barge) was toasted. Prior to leaving for Bodmin the various places of interest in the town were visited—the church, with its fine octagonal spire (the only one of its kind in Cornwall), claiming considerable attention. Plymouth was again reached at 10.35.

A Devon Trip.

THE ANNUAL OUTING of the employés of Messrs. Evans, Gadd & Co., Ltd., wholesale druggists, Bristol and Exeter, took place on July 3. The Exeter staff were conveyed in brakes to Teignmouth, *via* Haldon and Chudleigh, leaving the city about 8 A.M. At Haldon a halt was made on the racecourse for about two hours to carry out a programme of athletic sports. This being entirely a new departure, great interest was taken in it. Prizes to the value of 5*l.* were competed for. Leaving Haldon, the party had an enjoyable drive to Teignmouth, where the Bristol staff were welcomed, the company now numbering about eighty. Dinner was partaken of at the Criterion Hotel, under the chairmanship of Alderman H. Gadd, J.P. Mr. T. H. Smyth proposed the toast of "Success to the Firm," to which Alderman H. Gadd, Mr. W. J. Wippell, Mr. H. Wippell Gadd, and Mr. H. E. Boorne (directors) responded. The Chairman, in the course of his reply, impressed on the staff, from the youngest employé to those who had grown grey in the service of the firm, the importance of their individual efforts in maintaining the success of the firm. The toasts of "The Travellers," "The Committee," and "The Visitors" being given, the proceedings terminated with the presentation of the prizes by Mrs. Gadd. The Exeter party left Teignmouth about 7 P.M. and drove home through Dawlish, the "Ever Faithful" being reached about 10.30.

Recent Wills.

The dates in parentheses refer to the issues of "The Chemist and Druggist" in which the deaths of the testators were reported.

MR. JOHN WILLIAM ELLIS, Bodgele, Abergele, Denbigh, chemist and druggist, left estate valued at 1,650*l.* gross, with net personalty 496*l.* 10*s.* (*C. & D.*, June 5, p. 853).

MR. EDWARD EWBANK JUDSON, 5 Midland Road, Leeds, wholesale druggist, left estate valued at 1,246*l.* 4*s.* 2*d.* gross, with net personalty 1,122*l.* 5*s.* 11*d.* (*C. & D.*, June 12, p. 904).

CORFU OLIVE OIL.—Reporting on the trade of Corfu for 1908, the British Consul shows how that island's commerce benefited by the shortage of olive oil elsewhere, and particularly in Italy, for the latter became a large purchaser in consequence. France also materially contributed to Corfu's olive-oil exportation, which was valued at 269,091*l.* The sulphate of copper imports showed a decline of 31 tons, the vines not having suffered so much from *peronospora*, and the price realised for the wine being too low to admit of their chemical treatment. The whole amount (80 tons) was imported from the United Kingdom.

Trade Report.

NOTICE TO BUYERS.—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, London, E.C., July 8

JULY has opened under very quiet conditions judging by the frequently expressed opinions in regard to dull trade, especially in Mincing Lane, and the unsettled weather is no doubt responsible for a restricted demand in many articles having a "season" sale. Price fluctuations have been few and mostly insignificant. Probably the chief alteration is a reduction of 3*d.* per oz. in morphine salts, but codeine remains unaltered. Opium, as yet, is fairly well maintained in price, the United States being compelled to buy, this pointing to extremely low stocks in consumers' hands. Higher prices are asked for Matto Grosso ipecacuanha owing to depleted stocks, and sales of fine dragon's blood have been made at steady rates. Balsam tolu remains easy, and copaiba sells at a shade under recent rates. Buchu is firm and without arrivals. Japanese refined camphor is dearer. Ergot is attracting more attention at the recent advance. Acacia gums are quiet. Tonquin musk is steady, as is star aniseed oil. Lemon oil is firmer at primary sources, but spot demand is extremely small. Higher rates are asked for saffron in Spain and France. Fine orange shellac sold at an advance at auction. The changes have been as follows:

Higher	Firmer	Easier	Lower
Coconut oil (Cochin and Ceylon)	Benzols	Ammonia sulphate	Henbane ext.
Ipecacuanha (Matto Grosso)	Clove oil	Copaiba	Morphine salts
Palm oil	Lemon oil	Quicksilver (seconds)	Spearmint oil
Shellac	Nutmegs		
	Saffron		

Cablegram.

NEW YORK, July 8.—Business is quiet. Opium is 5c. lower at $4.15 per lb. Cascara sagrada is unchanged at 8c. Tonka beans have declined to $1.05 per lb. for Angostura. Jalap is firm at 45c. Guarana is lower at $1.65. Hydrastis (golden seal) is easy at $1.80. Asafetida is scarce at 50c. Podophyllum root (mandrake) is firmer at 8c. Copaiba is easy at 45c. for Central and South American, and Rio ipecacuanha is firm at $1.40 per lb.

London Markets.

ACID, CITRIC, is in little demand. English offering at 1*s.* 4½*d.* and foreign at 1*s.* 4*d.*

BALSAM TOLU.—Fair quality, in large tins, has been sold at 9½*d.* per lb., being steady.

BENZOIN.—Further sales of the parcel of good Sumatra seconds, ex auction, have been made at 7*l.* 10*s.* About 90 cases Sumatra have arrived.

BUCHU.—Firm. A few bales are offered from second-hands at from 1*s.* 5½*d.* to 1*s.* 6*d.*, and a small sale has been made at the inside figure for fair. No arrivals have taken place, and only a small quantity will be offered next week.

CAMPHOR (REFINED).—Japanese refined is dearer. The sales include 100 cases 2½-lb. slabs at 1*s.* 5½*d.* per lb. c.i.f. for October-December shipment, and ½-oz. and ¼-oz. for October-November shipment at 1*s.* 6¾*d.*, with 1*s.* 7*d.* asked at the close; the spot price is 1*s.* 6¾*d.* for slabs and 1*s.* 8*d.*

for 1-oz. Synthetic camphor meets with a fair demand, both for celluloid and pharmaceutical purposes.

The exports of crude and refined camphor from Japan during the three months ending March 1909 amounted to 573,742 kin, against 1,040,991 kin in 1908, and 863,568 kin in 1907. So far this year Great Britain has taken 239,659 kin, British India 113,443 kin, and the U.S.A. 131,721 kin.

CANNABIS INDICA.—Retail sales of Bombay tops have been made at 5*s.* per lb. Since the heavy duty was imposed by the Bombay Government there has been no inducement to consign to this market, so that business is confined to filling buyers' definite orders on c.i.f. terms.

CANTHARIDES.—New crop Russian flies are offered at 2*s.* 6*d.* to 2*s.* 7*d.* per lb. c.i.f.

CINCHONA.—Further particulars in regard to the Amsterdam auction to be held on July 15 show that the 6,106 bales and 699 cases Java bark weigh 622,836 kilos., and the 80 cases Sumatra bark 5,965 kilos. The quinine-content is 36,173 kilos. The Java bark comprises 532,518 kilos. manufacturing, and 90,318 kilos. pharmaceutical, containing respectively 33,219 kilos. and 2,815 kilos. quinine sulphate. The average percentage of quinine in the manufacturing bark is 6.24, as compared with 6.43 per cent. at the June auction. The shipments from Java to Europe during June amounted to 992,000 Amst. lb. against 1,513,000 Amst. lb. in 1908, and the total shipments for the half-year (January to June) amount to 6,517,000 Amst. lb., against 7,357,000 Amst. lb. in 1908.

CLOVES.—Small sales of fair to good Zanzibar have been made at from $4\frac{1}{2}d.$ to $4\frac{3}{4}d.$ spot. The delivery market has shown more activity, sales on Wednesday including 1,000 bales at $4\frac{5}{8}d.$ to $4\frac{11}{16}d.$ for August-October, $4\frac{3}{4}d.$ to $4\frac{13}{16}d.$ to $4\frac{27}{32}d.$ for October-December, and $4\frac{29}{32}d.$ to $4\frac{15}{16}d.$ for January-March; for arrival October-December has been sold at $4\frac{1}{2}d.$ to $4\frac{5}{8}d.$ c.i.f. d/w., closing sellers $4\frac{11}{16}d.$

A Reuter telegram from Zanzibar dated July 3 states that, according to a forecast of the clove-crop issued by the Government, there are indications that in one district of Pemba the yield will be in excess of that of last year. In the remaining two districts and in Zanzibar the budding is at present light. It is expected that the total crop will be considerably less than last season. The forecast is based upon the present condition of the trees, but it is pointed out that conditions may arise to modify the forecast later on.

CODEINE is unaltered at from 10*s.* 2*d.* to 10*s.* 5*d.* for pure crystals, at from 9*s.* 4*d.* to 9*s.* 7*d.* for hydrochloride and sulphate, and at from 8*s.* 6*d.* to 8*s.* 9*d.* per oz. for phosphate, all net cash, with reduction-clause on 70-oz. contracts for delivery within six months.

COPAIBA.—With fair quantities arriving at New York prices lately have been easier, Maracaibo answering the B.P. test offering at from 1*s.* 11*d.* to 1*s.* $11\frac{1}{2}d.$ spot.

CREAM OF TARTAR has been in brisker demand during the past fortnight on the basis of 72*s.* for 98 per cent. and 70*s.* for 95 per cent. powder.

DRAGON'S-BLOOD is steady, with small sales of fine reboiled Singapore lump at 12*l.* per cwt. Eight cases have arrived per *Kintuck* from Singapore.

ERGOT.—Rather more interest has been shown this week with the arrival of several small parcels from the Continent. Sound Russian, on the spot, is worth 1*s.* $4\frac{1}{2}d.$ net, and from Hamburg 1*s.* 5*d.* c.i.f. is quoted. Old crop Spanish is 1*s.* 3*d.* to 1*s.* 5*d.* spot, as to quality.

GAMBOGE.—Small sales of good selected Siam pipe, ex auction, have been made at 14*l.* 15*s.* per cwt. Eight cases Siam have arrived.

GINGER.—At auction 175 packages Jamaica were offered, and 54 barrels and 7 bags sold at 58*s.* to 58*s.* 6*d.* for good middling and 52*s.* for small dull. Privately there has been a good demand for washed rough Cochin at from 39*s.* to 41*s.* as to quality, and several hundred bags of Japan limed have also changed hands at from 32*s.* to 32*s.* 6*d.* for fair.

GLYCERIN.—Very firm. Although the official price of the British Convention remains on the basis of 75*l.* per ton naked in 5-ton lots for chemically pure, this figure is nominal, refiners being unable to sell at the quotation, the lowest acceptable price being 77*l.* for home consumption, and for export one of the principal refiners has raised his price to 80*l.* Crude (80 per cent.) is held for 50*l.*, with buyers at 48*l.* There is very little chemically pure now left in second-hand, as such holders have taken their profits and, naturally, at the advanced rates they have been diffident at operating further. As previously intimated, the prospects point to still higher prices later, and buyers should not hesitate to place their orders.

GUM ARABIC.—Quiet. East Indian Ghatti is slightly easier, with sales of No. 1 quality at 29*s.* per cwt. Senegal (Bas de Fleuve) is quoted 32*s.* 6*d.* on the spot, and with a firm order probably 29*s.* 6*d.* f.o.b. would be accepted.

IODINE.—The exports of crude iodine from Japan during the four months ending April were 9,427 kin, valued at 43,795 yen, against 955 kin valued at 3,955 yen in 1908, and 10,559 kin valued at 51,243 yen in 1907. Exports of iodide-potassium during the first four months of 1909 were 13,086 kin (60,229 yen); 1908, 9,025 kin (41,384 yen); and 1907, 17,778 kin (79,098 yen).

IPECACUANHA.—The price of Matto Grosso has been raised 3*d.* per lb. to 6*s.* by one broker, but another is still a seller at previous rates. Cartagena is quoted at 4*s.* 3*d.* The arrivals comprise 9 bales Minas and 5 bales Matto Grosso, and the stocks amount to about 180 packages, including 86 Matto Grosso, 88 Cartagena, and 2 Johore.

LAVENDER FLOWERS.—Sellers ask 22*s.* 6*d.* per cwt. for a small parcel on the spot.

MACE.—Steady at auction, 62 packages West Indian selling at 1*s.* 9*d.* for good pale, 1*s.* 7*d.* to 1*s.* 8*d.* for pale and reddish, 1*s.* 5*d.* to 1*s.* 7*d.* for fair to good red, and 1*s* to 1*s.* 4*d.* for dark red and broken.

MENTHOL continues quiet, with sellers at 9*s.* per lb., but no actual business has transpired. In one direction there is a seller at 3*d.* less, such offer emanating from a "bear" source.

MORPHINE.—The July price-lists of the makers intimate a reduction of 3*d.* per oz. in morphine salts, and for large quantities special quotations would be given. The quotation for hydrochlor. and sulphate crystals now ranges from 6*s.* 2*d.* to 6*s.* 5*d.* per oz., powder from 6*s.* to 6*s.* 3*d.*; pure crystals from 7*s.* 8*d.* to 8*s.*, and precipitated from 7*s.* 6*d.* to 7*s.* 10*d.* per oz., net cash, according to quantity; no reduction-clause is given.

MUSK.—Steady at from 68*s.* to 70*s.* per oz. for Tonquin Blue Skin, Pile I.

NUTMEGS.—At auction 279 packages West Indian offered and sold at an advance of $\frac{1}{4}d.$ to $\frac{1}{2}d.$ per lb. for large sizes.

OIL.—Aniseed Star is steady at from 4*s.* 5*d.* to 4*s.* 6*d.* per lb. spot, according to holder, with small sales; and for shipment business has been done at 4*s.* 3*d.* to 4*s.* $2\frac{1}{2}d.$ c.i.f., the latest price being 4*s.* 2*d.* c.i.f.

OIL, CLOVE, is firmer in conjunction with the spice, one distiller asking 3*s.* 3*d.* per lb.

OIL, COD-LIVER.—Our Bergen correspondent writes on July 5 that the market is very quiet, and only a few sales have occurred. The quotation of 63*s.* per barrel c.i.f. is therefore only nominal. The exports from Bergen up to date amount to 6,552 barrels, against 8,975 barrels at the corresponding date of 1908. In London a small business has been done, the general range of quotations for finest brands being between 62*s.* and 64*s.* per barrel c.i.f. terms.

OIL, LEMON.—An advice from Palermo dated June 26 intimates that the demand has been fairly active. Orders, though not for large quantities, have come in from abroad for both prompt and forward delivery, and local buyers have also been in the market for round parcels to cover previous sales in blank. The small parcels in needy sellers' hands were insufficient to meet this demand, so that the higher prices asked by those who could afford to hold out were paid. The market is therefore firmer, added to which the pressing season is now over, except in a few special districts. The higher prices which lemons have realised on the American market has also improved the general position. For shipment 3*s.* 5*d.* to 3*s.* 7*d.* c.i.f. is now quoted, according to brand. Spot market is quiet at about 3*s.* 6*d.* for good.

OIL, PEPPERMINT.—American Wayne County oil in tins is firm with small spot sales at 6*s.* 3*d.*, and H.G.H. is still quoted 8*s.* 9*d.* Japanese dementholised is also unchanged at 5*s.* 5*d.* to 5*s.* 6*d.* spot, with business at the inside figure. The exports from Japan during the first four

months of 1909 amounted to 74,036 kin, valued at 208,897 yen, against 39,886 kin, valued at 116,512 yen, in 1908, and 22,782 kin, valued at 89,678 yen, in 1907.

OILS (FIXED).—*Linseed* is firm at 23*s.* 9*d.* in pipes and 23*s.* 10½*d.* in barrels. *Coconut* is 1*s.* dearer at 32*s.* 6*d.* for Ceylon and 35*s.* 6*d.* for Cochin on the spot. Crude *Cottonseed* is firmer at 23*s.* 3*d.*, ordinary pale refined being quoted 24*s.* and sweet refined 26*s.* Ordinary brown *Rape* is quiet at 26*s.* 6*d.*, and at 28*s.* 6*d.* for English refined. *Soya bean* oil has advanced to 21*s.* 3*d.* spot. Lagos *Palm* oil is 6*d.* higher at 28*s.* 6*d.* *Turpentine* has been strong and dearer, closing at 34*s.* 9*d.* for spot and 35*s.* 6*d.* for September-December delivery. *Petroleum* is quiet at 6*d.* to 6½*d.* per gal. for ordinary refined American, 7*d.* to 7⅛*d.* for water-white, and 5¾*d.* to 5⅞*d.* for Russian.

OPIUM.—The London market remains without alteration, there being little Turkey drug in which to do business, the value of druggists' being from 12*s.* 3*d.* to 12*s.* 6*d.*, and for Persian 14*s.* is asked for anything up to 10 per cent. Cables have been received from Constantinople reporting sales (quantity not stated) to the United States at equal to 10*s.* 3*d.* c.i.f. London for new opium. Writing on June 26, a Smyrna correspondent states that speculators are playing the usual game. At the moment when American buyers were offering 98 ps. for new crop, native speculators bought up three cases at 101 ps., which caused the retreat of buyers, who declared their orders had been cancelled. The fact must not be lost sight of that this demand on the part of consumers for new crop at a time when only ninety cases are on the market and when it is to the interest of exporters to encourage the accumulation of stocks show that their needs are pressing, and that holders are more or less justified in endeavouring to maintain prices. Nine cases (of which six were for speculators) have changed hands, comprising three cases old extra Karahissar t.q. at 113 ps. or 12*s.* 2*d.*, one case old Yerli at 13*s.* 6*d.*, and five cases new opium at 10*s.* 11*d.* c.i.f. Market is firm at above prices; the arrivals amount to ninety-five cases as compared with seventy-seven cases at the same time last year. New opium shows a loss of from three per cent. to four per cent., but the quality is superior to that of the last two crops. A monthly report dated June 30, states that the sales during June in Smyrna amounted to eighty-one cases at from 10*s.* 4*d.* to 12*s.* 3*d.* as to quality. New opium of this year's crop has arrived in Smyrna, and the various qualities show an improvement to those of last year. An American buyer came forward this week and offered 95 ps. for new, which, allowing for loss in weight, would be equivalent to 11*s.* per lb.; but as yet no seller has accepted this figure, therefore the buyer was obliged to retire. The news regarding the crop continues to be satisfactory, but the estimates of the outturn are still very contradictory. The arrivals of new opium to date amount to 127 baskets, against 111 at same period last year. Writing on July 2 another Smyrna correspondent reports a very quiet week, sales amounting to only three baskets fine selected Karahissar at 11*s.* 9*d.* per lb. Sellers are still very reserved and tenacious. Prices are nominally from 10*s.* to 10*s.* 6*d.* for common grades, 11*s.* to 11*s.* 6*d.* for new crop, and 11*s.* to 12*s.* for old eligible druggists' and Yerlis. Weather has been rather unfavourable, as hot south winds have set in, which prevent the full flow of the gum; but there is nothing to be alarmed about. The arrivals to date amount to 154 baskets, against 123 at same period last year.

PEPPER (BLACK).—Nothing was offered at auction. Privately fair Singapore quality is quoted 3⅜*d.*, and for arrival a large business has been done at fluctuating prices, closing easier to-day. The sales include Singapore for July-September shipment at 3 1/16*d.*, to 3*d.*, August-October at 3 1/32*d.*, and January-March at between 3¼*d.* and 3⅛*d.*

PEPPER (WHITE).—At auction 84 cases fine bold washed Singapore were bought in at 9*d.* per lb. Privately fair Singapore is quoted on the spot at 5½*d.*, and for arrival a good business has been done at fluctuating prices, closing lower on Wednesday, the sales including June shipment at 4⅞*d.*, June-July at 4 13/16*d.* to 4 27/32*d.* to 4⅝*d.*, August-September 4¾*d.*, August-October 4 23/32*d.* to 4⅝*d.* to 4 9/16*d.*, September-November and January-March at 4 11/16*d.* c.i.f.d./v

PIMENTO.—Steady at 2 7/16*d.* to 2½*d.* per lb. spot, and for arrival July-September shipment sellers quote 22*s.* 6*d.* per cwt. c.i.f. Nothing was offered at auction.

QUICKSILVER is steady at 8*l.* 5*s.* per bottle from importers and at 8*l.* 2*s.* in second hands, the latter being a trifle easier.

QUININE is unaltered, second hand sellers of German sulphate asking 7*d.* and 6½*d.* for Java. The exports of "quinine, quinine salts and combinations" from Germany during the four months ending April amounted to 45,700 kilos., against 42,500 kilos. in 1908, and 78,000 kilos. in 1907.

RHUBARB. The British Consul at Chungking reports that rhubarb disappointed a good many dealers at that port: prices dropped about May 1903 and never recovered. Holders shipped to Shanghai but found no encouragement there and sold at a loss. The exports from Chungking through the Imperial Maritime Customs were 15,742 pic. in 1908 (30,403*l.*) against 16,650 pic. in 1907, 14,738 in 1906, 9,252 in 1905, 8,558 in 1904, and 8,538 pic. in 1903.

SAFFRON.—Holders in Spain are asking higher prices, but on the spot there is little doing at the moment, finest Valencia offering at 32*s.* 6*d.* per lb. downwards.

SARSAPARILLA. Genuine grey Jamaica has been sold in a jobbing way at 1*s.* 5*d.*, or 1*d.* over the sale price. The arrivals at the warehouse comprise 30 bales Lima-Jamaica and 14 bales red-native, but no grey.

SENNA.—A fair quantity of the new Tinnevelly crop may be offered in the sale of July 29.

SHELLAC.—At auction on Tuesday the smaller supply of 385 cases was offered, of which about 300 cases sold without reserve at irregular but higher rates, fine orange advancing from 2*s.* to 4*s.* per cwt. Fine pale orange, D.J. in diamond, sold at 86*s.*; circle Lion at 84*s.*; S.S. in diamond, 81*s.*; R.L.R. in double triangle, 80*s.*; fine E. & O. second orange, slightly matted, 74*s.* to 75*s.*; Angeles A.B. flat bronze free, 72*s.* to 74*s.*; Garnet, ordinary dark blocky GAL, 50*s.*; 1G in diamond, dark blocky, 55*s.* Button, good BL1, slightly cakey, 74*s.*; resinous ditto, 65*s.*; dark Angelo thirds, 72*s.* to 74*s.*; inferior weak tongue, 49*s.* to 52*s.* per cwt. TN descriptions were not offered, and privately 69*s.* is now the value of fair free, an advance of 2*s.* For arrival sales include TN for October-December shipment at 66*s.* c.i.f. Futures are higher, the sales including August delivery at 67*s.* to 68*s.*, November at 70*s.*, and December and January at 70*s.* to 71*s.* and March 71*s.* 6*d.* to 72*s.*

STRAMONIUM.—A quantity of leaves will probably be offered next week without reserve.

TURMERIC.—Small sales of Bengal have been made at 19*s.* on the spot, and sellers of split Cochin bulbs quote 13*s.*

VANILLA.—The exports from the Society Islands during 1908 amounted to 173 tons, valued at 27,765*l.*, against 141 tons, valued at 28,257*l.*, an increase of 32 tons, but a decrease of 492*l.* in value.

WAX, JAPAN.—Steady at 46*s.* 6*d.* spot, and 44*s.* 6*d.* c.i.f. for July-August shipment, at which price business has been done.

Heavy Chemicals.

At most of the principal centres of the heavy-chemical market there is a fairly steady all-round business being transacted in both main and miscellaneous products. Inquiries on forward account show some slight increase, but they are scarcely a fair average. Values show very little change, but they are mostly well maintained and on the steady side.

SULPHATE OF AMMONIA is quietly steady, though there is a moderately good demand for any prompt parcels offering, but forward business is still neglected. Present nearest figures: Beckton prompt 11*l.* 7*s.* 6*d.*, Beckton terms 11*l.*, London 11*l.*, Leith 11*l.* 6*s.* 3*d.* to 11*l.* 7*s.* 6*d.*, Liverpool 11*l.* 2*s.* 6*d.*, and Hull 11*l.* to 11*l.* 1*s.* 3*d.*

BENZOLS have maintained their somewhat steadier tone, but the business is somewhat limited, 90 per cent. 5¾*d.* to 6½*d.* per gal., and 50 per cent. 6½*d.* to 7½*d.* per gal., according to market.

LEAD PRODUCTS rule steady, with a good average demand. White acetate of lead 23*l.* 5*s.* to 23*l.* 10*s.*, and brown acetate of lead 18*l.* 10*s.* to 18*l.* 15*s.*; nitrate of lead, 25*l.* 5*s.* to 25*l.* 10*s.*, all less 2½ per cent. Glasgow; white lead 16*l.* 10*s.* to 16*l.* 15*s.*, and red lead 15*l.* 15*s.* per ton Tyne.

SULPHOCYANIDES are quietly steady at late rates. Potassium 7*d.* per lb., ammonium 95 per cent. 6¾*d.* to 7*d.* per lb., and barium 95 per cent. 3¼*d.* per lb.

ACIDS are moving steadily and maintain about a normal position. Nitric 84° Tw. 16*l.* to 16*l.* 10*s.* per ton, and 80° Tw. 14*l.* 5*s.* to 15*l.* per ton. Sulphuric acid, 168° Tw. 60*s.* to 62*s.* 6*d.* per ton, and 150° Tw. 30*s.* to 32*s.* 6*d.* per ton, all naked. Hydrochloric acid 2*s.* 3*d.* to 2*s.* 6*d.* per bottle.

MAGNESIUM SALTS steady at unaltered figures. Sulphate 62*s.* 6*d.* to 65*s.* per ton, chloride 67*s.* 6*d.* to 70*s.* per ton, and carbonate 30*s.* to 35*s.* per cwt.

ZINC SALTS are rather on the quiet side. Zinc sulphate crystals 6*l.* 15*s.* to 7*l.* per ton, and zinc chloride solution, 100° Tw. 6*l.* to 6*l.* 5*s.* per ton.

Manchester Chemical-market.

Manchester, July 6.

To-day (Tuesday) found the Royal Exchange closed for the King's visit, but although there was nothing doing on spot, operations in the East Lancashire district were being carried on much as usual. There were, however, few changes to record, but the demand all round is a shade quieter. Sulphate of copper is weaker for spring delivery. There is a continuance of the quiet trading in coal-tar products. It is interesting to note that benzol is fractionally dearer, evidently owing to possibilities of its use for motor-fuel. Solvent naphthas are easier.

Continental Drug and Chemical Markets.

AMMON. CHLOR.—Crystals are firm, and an advance of 1m. to 2m. per 100 kilos. is noted. It would appear that the extensive production, which resulted in low prices, has somewhat diminished.

CARNAUBA WAX.—The fatty grey qualities have been somewhat weaker lately, and some 300 sacks have changed hands. The cheaper kind is quite sold out, but good is obtainable from 187m. to 188m. per 100 kilos. Sandy-grey qualities, however, are keeping steady, and are quoted unchanged at from 184m. to 185m., with comparatively little offered. The same may be said of first-quality yellow, and the medium qualities are also for the most part cleared, 215m. to 220m. being asked.

IPECACUANHA has been in fair demand during the past week. The price in Hamburg for Cartagena varies between 9m. and 9.25m. per kilo., and Rio 15m. per kilo.

QUILLAIA.—The demand for whole in Hamburg has again become more active, and recent small arrivals have been disposed of at good prices. To-day's quotations are between 66m. and 67m. per 100 kilos. ex-warehouse.

ZINC OXIDE.—The makers' Convention recently advanced prices by 1m. per 100 kilos. A firmer tendency is noted in the metal, and zinc for technical purposes finds ready purchasers.

American Drug-market.

New York, June 29.

All departments of the drug and chemical markets continue to be characterised by dulness and lack of speculative demand, conditions which are meantime ascribed to the delay in adjusting the tariff and the unusually sultry weather. Opium and spearmint oil are lower.

ASAFETIDA continues scarce and firm at 45c. for drug of U.S.P. quality. As is usual when this article is scarce, there is much complaint regarding the stringency of the official requirements, especially the low ash-standard of 15 per cent.

CANADA BALSAM.—The new crop of balsam gathered in the producing-districts is reported small, and, as the bulk of it is in a few hands, it is unlikely that the present level of prices will be reduced. Barrels are offered on spot at $7 per gal., cans at $7.10. Oregon continues firm at $1.25 per lb.

COPAIBA.—All varieties of C. & S. American have been imported in considerable quantities during the interval, and prices are easy at 45c. to 50c., according to grade. Para is in plentiful supply, and barely steady at 52½c.

CASCARA SAGRADA continues in quiet demand, with prices more or less nominal. A fair-sized lot was reported to have changed hands at 8c., but 8½c. to 9c. is the usual quotation. According to advices from the coast, the peeling is making satisfactory progress, and no dearth of supplies is expected. Coast markets offer new bark at 6¼c. f.o.b.

HYDRASTIS is finding a rather limited outlet at the prevailing prices of $1.80 to $1.90 for fall-dug. These prices can no doubt be shaded considerably on firm orders. Spring-dug is not much in evidence in this market, the prices asked by country holders being in advance of buyers' views.

JALAP is in quiet demand, but scarce and firm, at 45c. to 50c., as formerly.

IPECACUANHA.—Rio is firm at the recent advance to $1.40, owing to scarcity. Cartagena is worth 95c. to $1.

MENTHOL continues in active demand and firm, with prices marked up to $2.45 for case lots.

OPIUM is neglected and easy at the lower price of $4.20 for case lots, and $4.25 for smaller parcels.

PEPPERMINT OIL (AMERICAN).—Demand has been fair, and prices are steady at $1.45 to $1.50 for jobbing lots of "tin" oil. Larger supplies are available at $1.40 on spot.

SPEARMINT OIL is cheaper at $2.25, owing to the approach of the harvest and the weight of stock held in both primary and spot markets.

Riviera Olive Oil.

In his annual report on the trade of Nice for 1908, Mr. Consul McMillan states that the olive oils of the Alpes Maritimes, celebrated as they are for their purity and fine quality, amount to perhaps a third of the total quantity exported from France. The exportation of these oils to the United Kingdom is not as important as to other countries; but for some time past the majority of the trading firms in South-Eastern France have been making strenuous efforts to extend openings in British markets. There has, however, been a falling-off as regards olive oil, owing to the enforcement of legislative measures against adulteration in France having had the effect of bringing about a considerable advance in price. The result has been that the United Kingdom, in place of paying high prices for the pure and high-class olive oils of France, has been developing an inclination to buy inferior Italian oils at cheaper rates. The exports of olive oil from the consular district of Nice during 1908 amounted to 4,510 tons, against 4,261 tons in 1907 and 966 tons in 1906.

London Drug Statistics.

THE following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of June and to the stocks on June 30:

—	June		Stocks		1909	
	Landed	Delivd.	1909	1908	Imprtd.	Delivd.
Aloes.....es. etc.	128	105	448	323	995	880
,, ...gourds	—	7	284	1,371	92	1,016
Aniseed, star.....es.	—	—	—	124	—	74
Arrowroot .....pkgs.	2,086	722	6,489	8,957	7,897	5,762
Balsams ... eks. etc.	147	63	480	497	630	365
Calumba ..... bgs.	—	10	57	168	31	160
Camphor ..... pkgs.	1,600	874	1,201	1,631	3,785	4,126
Cardamoms..... ,,	328	292	1,254	1,349	2,683	2,310
Cascara sagrada tons	2	7	496	*	19	126
Cinchona..... pkgs.	150	507	4,495	4,915	2,947	2,635
Cocculus indicus ,,	—	—	—	17	—	—
Cochineal..... ,,	4	87	760	681	475	442
Cubebs..... bgs.	—	28	54	177	38	104
Dragon's blood pkgs.	54	14	110	102	123	119
Galls ..... ,,	301	66	2,170	1,947	2,356	1,463
Gums—						
Ammoniaeum ,,	—	5	8	10	15	17
Animi ..... ,,	46	114	320	177	568	487
Arabic ..... ,,	1,589	623	6,930	6,637	5,079	3,851
Asafetida..... ,,	14	32	†125	377	143	203
Benzoin ..... ,,	426	194	1,228	479	2,014	1,341
Copal..... ,,	4,049	3,706	26,349	18,950	22,003	23,337
Damar ..... ,,	636	214	4,446	1,700	3,021	2,015
Galbanum ... ,,	—	—	—	—	—	—
Gamboge..... ,,	18	16	106	73	179	150
Guaiacum ... ,,	—	7	67	79	11	15
Kauri ... tons net	16	32	341	575	175	384
Kino ..... pkgs.	—	16	75	51	—	43
Mastich ..... ,,	—	1	18	12	23	14
Myrrh, E.I.... ,,	48	62	337	318	223	264
Olibanum ... ,,	89	74	841	1,298	208	863
Sandarac..... ,,	224	68	813	455	923	568
Tragacanth... ,,	2,765	1,162	7,832	5,704	10,720	7,077
Ipecacuanha—						
Cartagena ... ,,	34	11	91	39	144	70
E.I. ("Johore") ,,	—	—	3	35	18	20
Matto Grosso ,,	30	23	75	58	111	147
Minas ..... ,,	—	2	6	36	17	31
Jalap ..... bls.	28	4	27	31	31	18
Nux vomica . . pkgs.	208	227	872	625	623	540
Oils—						
‡Aniseed, star...es.	—	5	49	21	70	50
‡Cassia ..... ,,	8	6	105	94	120	85
Castor ..... pkgs.	35	53	139	287	381	485
Coconut..... tons	54	70	336	587	416	1,551
Olive ..... pkgs.	95	373	2,005	1,818	3,921	3,776
Palm ..... tons	—	1	4	7	11	15
Quinine..... lb.	3,125	5,268	205,639	207,006	27,187	31,022
Rhubarb ..... es.	40	3	591	329	137	438
Sarsaparilla ... bls.	116	60	392	232	781	653
Senna ..... pkgs.	202	342	614	572	1,939	2,335
Shellac ..... cs.	5,006	4,423	42,278	31,913	23,232	29,075
Turmeric ..... tons	40	15	287	274	172	117
Wax—						
Bees ... . pkgs.	204	469	1,370	2,016	1,993	2,530
Vegetable(Jap)..	250	70	924	111	1,270	528

* No record.

† Corrected.

‡ Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.

CORRESPONDENCE

TO CORRESPONDENTS.—A letter for publication should always be a distinct communication; nothing else should be mixed up with it. Each query—no matter whether legal, dispensing, or general—should stand by itself, and the paper upon which it is written should always be backed with the shop stamp. We do not undertake to reply to queries by post. Write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with them. Letters received after Wednesday morning cannot as a rule be dealt with in the current week's issue.

BUSINESS INFORMATION.—We supply by post (when a stamped and addressed envelope is provided) information as to the makers or agents for articles connected with pharmacy and the chemical and drug trades. Inquiries regarding any articles which cannot be traced are inserted under "Information Wanted."

Youthful Pessimism.

SIR,—"Vigilant's" letter in your issue of July 3 presents a truly pitiable spectacle! What ails this youthful Jeremiah that he should be obsessed with such hopeless views concerning things pharmaceutical? Is he suffering from disordered liver? Has he been crossed in love? Or has he been putting his money on the wrong horse? "Vigilant" bemoans the "utter rottenness" of the drug-trade, and demands an explanation of this deplorable condition of affairs. In so far as it obtains at all, I venture to suggest that it is to the utter "rotters" in the craft that one must look for the responsibility for its existence. But as a general statement, I am of opinion that the impeachment cannot be sustained. I agree rather with the editorial footnote to "Vigilant's" doleful ditty. The drug-trade is as good an income-maker to-day as it ever was. True, one has to know more and work harder and be more alert than in the old days of limited turnover and exorbitant profits. Side-lines, professional or otherwise, have to be cultivated, and stocks must be heavier and infinitely more varied than of yore. But since the general rise in the standard of living and the introduction of popular and more reasonable prices, the public take much more medicine and spend far more on luxuries than in the so-called good old days of "legitimate" trade and fancy prices. And the pharmacist has only himself to blame if he does not equip himself and his pharmacy to meet any demand that may be made upon his services or his stock. I trust, therefore, that our modern Cassandra will, ere long, find himself prepared to adopt a less jaundiced outlook on life. Instead of threatening to "throw up the sponge," let him pull himself together and make good use of his "waiting" time. The longer he remains a free lance, the better equipped he should be when he eventually takes the plunge for himself. If, as he seems to intimate, his education in modern commercial methods has been neglected, let him seek appointments where he can gain the experience he lacks. Let him not be afraid of a good up-to-date store; he will there learn more about business in a few months than in years spent in a select dispensing establishment. Indeed, the latter is one of the worst possible training-grounds for the man who wants to prepare himself for the rough-and-tumble of an ordinary business. If possible, a season abroad should be included in his curriculum; if it does nothing else, it will tend to widen his horizon. If he has a scientific bent, let him specialise in some department which may be of future service—photography, optics, microscopy, bacteriology, etc. The hitherto somewhat neglected branch of agricultural and horticultural specialities is also worth consideration; in fact, the more one knows, the greater are one's chances of ultimate success. But above and beyond all is the importance of sound business-methods—the knowledge of bookkeeping, stock-taking, window-dressing, and salesmanship—in short, the whole art of buying and selling. Meanwhile, instead of bemuddling himself with inflated advertisements of unsound businesses, "Vigilant" cannot do better than make an intelligent study of the valuable articles which have appeared in THE CHEMIST AND DRUGGIST, notably one on "Modern Business-methods" in the 1906 *Diary*, which concludes as follows:

No business at the present day is free from competition; the drug-business in the United Kingdom is not worse than in any other country, nor worse than any other shop business in this country. In comparison with the expense of the training for it, the remuneration is probably less, but that is largely due to the fact which has given rise to the saying that "the chemist weighs in grains and thinks in grains." Once a chemist gives his aspirations greater atmosphere and ceases to hesitate about applying the modern business methods of other trades to his own business, he takes the first step towards fortune; for if his location does not afford scope for his energies he will not take long to get into one that does.

Yours truly,

Brighton, July 5. C. S. ASHTON.

Boots' Business.

SIR,—In your last issue "Xrayser" reviewing the balance sheet of Boots Cash Chemists (Eastern), Ltd., remarks "that we do not know how much 'drugs' and how much 'gifts' contribute to the total profit." Not understanding and not knowing how much other than drugs contribute he yet goes on to say "that the average shop yields a profit of 227*l.* per shop per annum, and therefore if a private pharmacist owned such shop he would find himself with 227*l.* in hand at the year's end." May I point out that in order to own such average shop he would have to find a capital of about 3,500*l.*, as we have (apart from goodwill) some 350,000*l.* invested in the business? The Eastern Company has three mineral water factories—two of them really first class and up-to-date, and a large number of the shops have other departments than drugs, doing a profitable business. Three of the principal shops of Boots Cash Chemists (Eastern), Ltd., have a permanent staff of over 160 employés engaged in the various departments, so that any attempt on the part of outsiders to average a profit per shop would be the merest guess work. When large airy shops are fitted up in the same splendid style as those of Boots (Eastern), and when fair salaries are paid, and yet the public are supplied at modern prices, it can only be done by being willing to take a small profit from each branch and spreading the business over a large area.

Yours faithfully,

Nottingham, July 7. JESSE BOOT.

Poison-licences.

SIR,—The way in which the new Pharmacy Act is being interpreted by the local authorities—viz., by granting licences where all reasonable facilities exist—is abominable, and is it not also distinctly illegal? If so, cannot a very flagrant case—*e.g.*, the grant of a licence in a large town—be taken up as a test-case, and, if necessary, fight it tooth and nail right up to the House of Lords? In the event of this being done, what better champion for our cause could be found than Mr. Glyn-Jones, if he were willing to act; and surely all chemists would be ready to help with subscriptions, especially if you were to issue an urgent appeal to your readers through your columns. As far as I am concerned, I would very gladly subscribe.

Yours faithfully,

Newbury. F. S. HICKMAN.

SIR,—The Leicester County Council have granted a poison-licence here to a man who sells chocolates, biscuits, sweetmeats, and greengroceries in a small shop. This shop is exactly opposite a chemist's shop and within forty yards of three other chemists' shops, all of which stock and sell horti- and agricultural poisons.

The reason urged by the greengrocer as to why his licence should be granted was that for years past he had built up a trade in these poisons! All the chemists opposed it, and the Superintendent of Police joined in the opposition, but to no purpose. If you know of a more ridiculous case than this I should like to hear of it. Yours sincerely,

Melton Mowbray, July 3. R. W. BROWNLOW.

Spirit and Petrol Duties.

Mr. W. T. Gorfett, chemist, Portsmouth, wrote to Sir T. A. Bramsdon, M.P., regarding these duties, pointing out that as regards rectified spirit chemists now have to pay about 6*s.* 9*d.* per gal. extra and corresponding increases on all preparations made with the spirit. In very many instances this means that chemists cannot possibly raise

their prices, and the tax must fall on us. As to the reported benzene licence, Mr. Gorfett said the sales in many instances would never pay the duty, hence many chemists would be almost bound to cease sale. As it is really not used as a motor-spirit, its inclusion under that licence should not be continued, but if it is, then, as in case of S.V.R. concession to chemists, so a concession could be made *re* sale of benzene in small quantities, say, of 10, 8, 6, 4, or 2 oz. Mr. Gorfett enclosed the *C. & D.* note on the latter subject, and received the following reply:

Dear Mr. Gorfett,—I have read your letter and enclosure with interest. I have referred to the notice of amendments to clause 64, but I do not see any entered as I anticipated. That seems to me to be the proper way of dealing with the matter,—Yours very truly, T. A. BRAMSDON.

Sir Thomas questioned the Chancellor about the spirit duty on July 1 (see *C. & D.*, July 3, p. 1). He will on Tuesday next put the following further question:

What is the approximate loss on the spirit-tax if a return were allowed of the additional duty on spirits largely employed in the preparation of drugs and on brandy prescribed for patients in public hospitals, infirmaries, and dispensaries established and mainly supported by voluntary contributions for the relief of the poor and indigent? Has the Chancellor had any reason to suppose that the officers of those institutions could not be relied upon to make an accurate return of the spirits so used?

Antiseptics in India.

SIR,—In your reports on the Bombay Medical Congress Exhibition you included our name as agents for Pearson's Antiseptic Co., Ltd. This we must ask you to kindly contradict, as we are agents for the "Sanitas" Co., Ltd., in Bombay. At the time of the exhibition a representative of Pearson's Antiseptic Co., Ltd., was in Bombay, and we gave him certain assistance in securing space for his exhibits, and hence no doubt our name got mixed up as the agents for the firm in question. Yours faithfully,

Bombay, June 19. TOTHILL, SHARP & CO.

Joint Proprietaries.

Mr. G. N. Edwards (Ipswich) writes in reply to Mr. Cadge's letter in our issue of June 26, p. 989, and, apart from the personal matter, he says:

The principal difference between Mr. Cadge's views and my own seems to be whether the introduction of a new set of proprietaries would compete with our own lines or not; if they are designed with the same object—*i.e.*, curing same ailments—I fail to see how they can be non-competitive. At present I am neither seeking nor aiding in producing further competition. A comparative wholesale is what is wanted, not branded proprietaries.

Young and Inexperienced.

Justice (98/40), writing in regard to the question of qualified and unqualified assistants as recently discussed in these columns, says:

Many qualified are unfit for their post, as also many unqualified, but the order of the day is, "Never mind what your ability or experience is, as long as you are young and certificated." I might also say from practical experience that many good men are prevented from using their knowledge in management by having their hands tied by so-called superior managers at headquarters, and then blamed for not producing good results.

Legal Queries.

Advt. (95/45).—The whole matter turns upon the terms of the contract for advertising, which you do not submit to us. Without it we cannot form an opinion, except from the charge, and 5*l.* a year will not pay for a weekly advertisement in a paper with a circulation of 30,000 per week.

Agricola (95/35).—Our replies of July 3 were quite right. Since the *Diary* was published the Board of Customs and Excise have issued additional instructions, and Revenue officers have told drug-store keepers that they should not sell tinctures without a spirit-licence. But so far there have been no prosecutions.

Practitioner (100/38) is anxious to know if one having passed all examinations, including pharmacy, to obtain his medical degree (not in medical practice), who does not intend to practise, but his degree is recognised by the General Medical Council, is entitled to registration by the Pharmaceutical Society of Great Britain. [No.]

Mesotan (99/13).—We understand from your query that B and C are mutually liable as security for a loan to A which A cannot pay. The lender is entitled to recover the amount from B and C; if C is unable to pay and B is, the latter must pay. If B desires to recover from C the proceedings are taken in the County Court if the amount is less than 50*l.*

Publisher (91/40).—The rule in regard to commenting upon medicines to which body-names are attached is very simple. If any words are employed indicating the action of the medicine upon the part of the body, the medicine becomes liable to duty. We consider that when you refer to the "permanent benefit obtained," this can only refer to the action upon the part of the body, and consequently the preparations would be liable to duty unless they are "known, admitted, and approved remedies."

Lex (97/53).—(1) A friendly society has established a dispensary for the purpose of dispensing medicines, including poisons, for its members, and the dispenser is not a registered chemist. Is this legal? [The practice in such matters is that as long as the Society confines the work of the dispensary to its own members it does not keep open shop in the sense of the Pharmacy Act, 1868; in fact, such transactions appear not to be controlled at all by the Act, as they are also not regarded as "selling" under Section 17. This is why hospital dispensaries are beyond the control of the Pharmaceutical Society.] (2) The patent-medicine licence is granted only in respect to premises, and it is many years since the Board of Inland Revenue decided that travelling vans cannot be licensed for the sale of stamped medicines. Similarly a hawker cannot be licensed, although his place of abode may be. He cannot carry stock from door to door and sell it, but there has not been any official objection to the holder of a licence taking orders at customers' houses and executing them from his licensed premises. That is done daily by licensed vendors.

Miscellaneous Inquiries.

S. C. U. (84/8).—COMPOSITION ESSENCE.—A non-alcoholic essence is made on the lines given in the *C. & D.*, June 19, p. 964, but using a menstruum composed of—

Acetic acid	2½ parts
Glycerin	25 parts
Distilled water to	100 parts

Thyroid Manchester (96/31).—In cases of myxœdema thyroid is useful, and among other symptoms of the disease which it relieves is falling out of the hair. It induces a new crop of youthful colour. In the case which you mention the patient may have suffered from myxœdema. Thyroid preparations should only be administered under medical advice and supervision.

Face (92/67).—Electrolytic removal of hair from the face is successful only when the hairs are few in number and very rough. It is merely sensitiveness that prevents women who are afflicted with hirsute growth on the face using the razor. Depilatories do no more than the razor does, and the late Mr. Balmanno Squire strongly recommended shaving as being superior to all other methods.

W. S. (98/33).—LIQUID COURT-PLASTER.—On p. 574 of "Pharmaceutical Formulas" you will find a formula for acetone collodion which, suitably perfumed, provides a preparation similar to what you want. The B.P.Cx. preparation is rather thick, but that can be remedied by reducing the pyroxylin or increasing the proportion of solvents.

New Books.

These notes do not necessarily exclude subsequent reviews of the works. Any of these books printed in Great Britain can be supplied, at the published price, to readers of this journal on application (with remittance) to the Publisher of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

Emerson, C. P. *Essentials of Medicine.* 8vo. 8*s.* 6*d.* net. (Lippincott.)

Guttmann, O. *The Manufacture of Explosives. Twenty Years' Progress.* Four Cantor lectures. 9×6. Pp. 92. 3*s.* net. (Whitaker.)

Keane, C. A. *Modern Organic Chemistry.* 7½×4¾. Pp. 520. 6*s.* (W. Scott.)

Packhard, F. R. *Text-book of Diseases of the Nose, Throat, and Ear.* 8vo. 15*s.* net. (Lippincott.)

Schryver, S. B. *General Characters of the Proteins.* Ryl. 8vo. 2*s.* 6*d.* net. (Longmans.)

Tilden, W. A. *Chemistry.* 12mo. Pp. 118. 1*s.* net (Dent's Scientific Primers). (Dent.)

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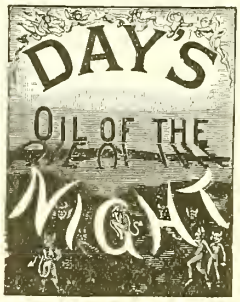

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Ammon. Brom., P.B., 1 cwt. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.
Ammon. Carb. lump, 3 cwt. @ 3⅝d. lb.; 28 lbs. @ 4½d. lb.; 7 lbs. @ 5d. lb.; powder, ½d. lb. extra.
Ammon. Chlor., 99% pulv., 1 cwt. @ 33/- cwt.; 7 lbs. @ 4d. lb.; Batteries, 4/- cwt. extra.
Antim. Nig. pulv., 1 cwt. @ 25/6 cwt.; 14 lb. @ 33/- cwt.
*Aqua Anethi Conc. 1-40, 1 lb. @ 2/11 lb.
* „ Anisi Conc. 1-40; 1 lb. @ 3/1 lb.
* „ Cinnam. Conc. 1-40, 1 lb. @ 3/4 lb. [7d. lb.
* „ Aurant. Trip., 53 lbs. @ 17/6; 6 lbs. @
*Chloroform, pure B.P., 12 8-lbs. @ 1/7½ lb.; 8 lbs. @ 1/8½ lb.; 6 1-lb. botts. @ 1/10½ lb.
Chlorophyll, 7 lbs. @ 5/- lb.; 1 lb. @ 5/9 lb.
Cocainæ Hydrochlor. P.B., 25 ozs. @ oz.; 4 ozs. @ 7/10 oz.; 1 oz. @ 8/- oz.
Codeina, 1 oz. @ 10/9 oz.; Phosph., 1 oz. @ 9/1 oz.; Hydrochlor. or Sulph. 1 oz. @ 9/11 oz.
Colocynth. Apple, English ground, 1 cwt. @ 10½d. lb.; 28 lbs. @ 11d. lb.; 7 lbs. @ 1/0½d. lb.
Composition Powder (Coffin's), 1 cwt. @ 58/- cwt.; 7 lbs. @ 7½d. lb.
Conf. Sennæ P.B., 14 lbs. @ 8d. lb.; 7 lbs. @ 8½d. lb.
Cream Tartar, 98 % powder, 1 cwt. @ 73/- cwt.; 7 lbs. @ 9d. lb. [*7 lbs. @ 1/9 lb.
Creosotum Beechwood, P.B., 22 lbs. @ 1/7 lb.;
Creta c. Camph., 7 lb. @ 8d. lb.
„ Gall. Pulv., in sacks, 10 cwt. @ 6/- cwt.; 1 cwt. @ 7/- cwt.; 14 lbs. @ 1½d. lb.
Creta Præparata, 7 lbs. in box, 9d. each.
*Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/4 lb. Sine croco, 6 lbs. @ 1/2 lb. [lb.
*Dec. Cinchonæ (Rubræ) Conc. 1-7, 6 lbs. @ 1/10
*Dec. Senegæ Conc., 6 lbs. @ 2/1 lb.
Emulsio Ol. Morrhuæ, 10 lbs. @ 6½d. lb.
Eserine Sulph. in 15 grain tubes, 3/- each.
Ess. Bergam. (Oil), 12 lbs. @ 14/- lb.; 1 lb. @ 15/6 lb., not guaranteed absolutely pure.
Ess. Limonis (oil) original coppers, 12 lbs. @ 3/6 lb.; 6 1-lb. bots. @ 4/- lb., not guaranteed absolutely pure.
*Ess. Pear (artificial), Jargonelle, 5 lbs. @ 1/6 lb.; Bergamot, 2/6 lb.
*Ess. Pineapple, 5 lbs. @ 3/4 lb.
* „ Raspberry, 5 lbs. @ 1/10 lb.; 1 lb. @ 2/2 lb.
* „ Vanilla Beans, 5 lbs. @ 4/4 lb.; 1 lb. @ 4/7 lb.
Guaiacol Carb., 7 lbs. @ 5/- lb.; 1 lb. @ 5/4 lb.
Guaiacol, pure, 1 lb. @ 3/6 lb.
Gum Acaciæ sorts, 3 cwt. @ 38/- cwt.; 1 cwt. @ 45/- cwt.; 7 lbs. @ 5½d. lb.; English Ground Powder, No. 1, 1 cwt. @ 95/- cwt.; 7 lbs. @ 1/- lb.; No. 2, 1 cwt. @ 60/- cwt.; 7 lbs. @ 8d. lb.
Gum Benzoin, Sumatra, 84 lbs. @ 1/4 lb.; 7 lbs. @ 1/6 lb.
Gum Catechu, Nig. English Ground, 1 cwt. @ 50/- cwt.; 14 lbs. @ 6d. lb.
Gum Guaiaci, 1 cwt. @ 10½d. lb.; 28 lbs. @ 1/- lb.
Gum Juniper, 14 lbs. @ 9d. lb.
Gum Tragac. Elect., English Ground, 7 lbs. @ 3/6 lb.; 1 lb. @ 3/9 lb.
Honey, fine White Set, 28 lbs. @ 47/- cwt.
Hydrokinone, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/7 lb.
Lin. Camph. P.B., 40 lbs. @ 10½d. lb.; 9 lbs. @ 11½d. lb.
Lin. Sapo Meth., 9 lbs. @ 7d. lb.
Lin. Tereb. Acet., B.P., 9 lbs. @ 1/- lb.
Linseed o. Oil, Crushed, 3 cwt. @ 16/- cwt.; 1 cwt. @ 16/6 cwt.
*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 10½d. lb.; 1 lb. @ 1/0½ lb.
*Liq. Ammon. Aromat., 6 lbs. @ 9d. lb.
* „ Antim. Chlor. Pure, 8 lbs. @ 6½d. lb.
* „ Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* „ Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* „ Bismuth. P.B., 6 lbs. @ 10½d. lb.
* „ Copaiba Bucha et Cubeb, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
* „ Easton., p.s. 1-3, B.P., 1 lb. @ 3/- lb.
* „ Ferri Dialysatus, 6 lbs. @ 7d. lb.

DETAILED PRICE LIST

ON APPLICATION.

*Aqua Aurant. Conc., 1-40, 1 lb. @ 6/1 lb.
* „ Rosæ Trip., 53 lbs. @ 17/6; 6 lbs. @ 7d. lb.
* „ Rosae Conc. 1-40, 1 lb. @ 6/- lb.
* „ Samb. Trip., 53 lbs. @ 23/6; 6 lbs. @ 8d. lb.
* „ Samb. Conc., 1-40, 1 lb. @ 6/1 lb.
* „ Laurocerasi, 53 lbs. @ 17/6; 6 lbs. @ 7d. lb.
* „ Menth. Pip. Conc. 1-40, 1 lb. @ 3/- lb.
Argent. Nit., 6's to oz., 25 oz. @ 1/8½ oz.; 1 oz. @ 1/10 oz.
„ „ Cryst., 25 oz. @ 1/6 oz.; 8 oz. @ 1/7 oz.
Bals. Copaibæ pure, 44 lbs. @ 2/2 lb.; 9 lbs. @ 2/4 lb.; 1 lb. @ 2/8 lb.
Bismuth, P.B. Carb., 14 lbs. @ 7/9 lb.; 3 lbs. @ 8/1 lb.; subnit., 1/- lb. less.
Caffeinæ Cit. B.P., 1 lb. @ 10/- lb.
Calamine B.P., 7 lbs. @ 9d. lb.
Calcii Carb. præcip., 5 cwt. @ 14/6 cwt.; 1 cwt. @ 17/- cwt.; 28 lbs. @ 19/- cwt.
„ Hydras, P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.
„ Hypophosph. Pur. P.B. 1 lb. @ 2/3 lb.
„ Iodid., 1 lb. @ 14/6 lb.
Camphor, English Flowers, "not artificial," 5 lbs. @ 1/11 lb.; ½ oz. 7 lbs. @ 2/1 lb.; ¼ oz. 7 lbs. @ 2/4 lb.. Crude, 140 lbs. @ 1/4¾d. lb.; 28 lbs. at 1/6 lb.
Capsicine, soluble, 1 lb. @ 6/6 lb.
Carbo Animalis or Ligni, powder or lump, 1 cwt. @ 14/- cwt; 28 lbs. @ 2d. lb.
Carmine, Finest, 1 lb. @ 17/- lb.; No. 2, 1 lb. @ 13/- lb.
Cera Alba, B.P., White Moons, 1 cwt. @ 1/6½ lb.; 28 lbs. @ 1/7½ lb.; 4 lbs. @ 1/8 lb. Flav. 1 lb. Blocks, 28 lbs. @ 1/6½ lb.; 4 lbs. @ 1/7½ lb.; 1 oz., ½ oz. Tabs., 7 lbs. @ 1/7½ lb.
Cetaceum: No. 1, fine white, 64 lbs. @ 1/4 lb.; 7 lbs. @ 1/6 lb.; powder, 7 lbs. @ 1/10 lb.
Chloral Hydras Cryst. B.P., 7 lbs. @ 4/5 lb.; 1 lb. @ 4/9 lb.
*Chlorodyne, 5 lbs. @ 1/11 lb.
*Ext. Belladonnæ Liq. B.P., 5 lbs. @ 4/7 lb.; 1 lb. @ 5/- lb.
Ext. Cascara Sag. Liq., B.P., 10 lbs. @ 1/2 lb.
*Ext. Ergot. Liq. P.B., 5 lbs. @ 3/1 lb.; 1 lb. @ 3/4 lb.
* „ Glycyrrh. Liq. B.P., 6 lbs. @ 1/6 lb.
* „ Hamamelis, Liq. P.B., 5 lbs. @ 3/5 lb.
*Ext. Ipecac. Liq. P.B., 5 lbs. @ 11/- lb.; 1 lb. @ 11/9 lb.
***Ext. Nucis Vom. Liq. B.P.**, 5 lbs. @ 3/3 lb.; 1 lb. @ 3/6 lb.
„ Quassiæ, Solid, 7 lbs. @ 6/- lb.: 1 lb. @ 6/4 lb.
Ext. Sarsæ Co. Solid; 7 lbs. @ 4/- lb.; 1 lb. @ 4/6 lb.
Ferri Carb., 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d. lb.
Ferri et Quininæ Cit., P.B.: 500 ozs. @ 3d. oz.; 100 ozs. @ 3½d. oz.; 25 ozs. @ 3½d. oz.
Flor. Anth. Exot., 1908, 1 cwt. @ 48/-; 7 lbs. @ 6½d. lb.
Fol. Sennæ, Alex. Parv., 1 cwt. @ 4d. lb.; 28 lbs. @ 4½d. lb.
Fol. Sennæ Tinnev. 3½ cwt. @ 2½d. lb.; 1 cwt. @ 3½d. lb.; 7 lbs. @ 3½d. lb.; English Ground, 1 cwt. @ 5½d. lb.; 56 lb. @ 6d. lb.; 7 lbs. @ 7d. lb. [7 lbs. @ 7½d. lb.
Formaldehyde, 40%, 132-lb. Carboys @ 50/- each;
Ginger, English Ground, 1 cwt. @ 52/- cwt.; 7 lbs. @ 6½d. lb.
Gingerine, Extra, 5 lbs. @ 9/6 lb.; 1 lb. @ 10/- lb.
Glycerin. Opt., D.D., 1·260 P.B., 1 cwt. @ 77/- cwt.; 56 lb. @ 7d.- cwt.; 12 lbs. @ 10d. lb.
*Glycerin. Acid. Boric P.B., 6 lbs. @ 1/2 lb.
*Glycerin. Acid. Carbolic P.B., 6 lbs. @ 1/2 lb.
* „ Acid. Tannic, P.B., 6 lbs. @ 1/2 lb.
* „ Belladon. B.P.C., 6 lbs. @ 2/6; 1 lb. @ 2/9 lb.
* „ Boracis P.B., 6 lbs. @ 11d. lb.
Glycerin. Pepsine Acid P.B., 1 lb. @ 3s. lb.
*Glycerine Plumbi, subacet., P.B., 6 lbs. @ 1/4 lb.
*Liq. Ferri Iod. p.s. 1-7, 1 lb. @ 5/9 lb.
* „ Ferri Perchlor. Fort. P.B., 7 lbs. @ 4d. lb.
* „ Ferri Phosph. Co. p.s. 1-7, 7 lbs. @ 1/6.
* „ Hypophosph. Co. p.s. B.P.C., 1 lb. @ 3/4 lb.
* „ Iodi Fort. B.P., 5 lbs. @ 4/9 lb.
Manna, fine flake, 14 lbs. @ 2/8 lb.; 7 lbs. @ 2/10; 1 lb. @ 3/4 lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv., B.P., 25 oz. @ 6/1 oz.; 16 oz. @ 6/2 oz.; 8 oz. @ 6/5 oz.; 1 oz. @ 6/9 oz.
Ol. Amygdal. Ang. B.P., 9 lbs. @ 2/- lb.
Ol. Morrhuæ, 1909, finest non-freezing Norwegian 25 gall. tin lined barrels @ 69 - per barrel; 2 gal. tins @ 7/6 each.
Ol. Olivæ, B.P., good Yellow, 45 gall. Barrell @ 4/3 gall.; 2 galls. @ 5/3 gall.
Shellac (Orange), 1½ cwt. @ 71/- cwt.; 7 lbs. @ 10d. lb.
Soda Caustica, 28-lb. tin @ 8½d. lb.; 6 1-lb. Bots. @ 10d. lb.
Sodii Bromid. P.B., 1 cwt. @ 1/0½ lb.; 7 lbs. @ 1/2 lb.
Sodii Hyposulphite, pea cryst., 1 cwt. @ 8/3 cwt.
Soda Salicyl. Pulv., 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7 lb.; phys. pur., 28 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.
Soda Sulphocarbolas B.P., 7 lbs @ 10½d. lb.; 1 lb. @ 1/1 lb.
*Spt. Æther Nit. P.B., 4½ lbs. @ 3/6 lb.; 1 lb. @ 3/9 lb.
*Sp. Ammon. Aromat. P.B., 5 lbs. @ 5/8½ lb.
*Spt. Chloroformi P.B., 5 lbs. @ 3/7 lb.
Strychnina cryst. B.P., 25 ozs. @ 1/6½ oz.; 1 oz. @ 1/10 oz.; Hydrochlor. and Nitrate, 2½ oz. less.
Sugar of Milk, B.P., 1 cwt. @ 44/- cwt.; 7 lbs. @ 6d. lb.
Sulphonal B.P., 1 lb. @ 9/6 lb.
*Syr. Aurant. P.B., 7 lbs. @ 8d. lb.
*Syr. Easton B.P., 7 lbs. @ 1/- lb.

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Acetanilide, B.P. 1 cwt. @ 11d. lb.; 28 lbs. @ 1/-.
Acetum Ipecac. B.P. 6 lbs. @ 1/3 lb.
,, Scillæ B.P. 6 lbs. @ 3d. lb.
Acetone. 6 lbs. @ 1/- lb.; 1 lb. @ 1/3.
Acid. Aceto-Salicylic. 28 lbs. @ 2/- lb.; 7 lbs. @ 2/1; 1 lb. @ 2/3.
,, Benzoic. B.P. 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/6; 1 lb. @ 1/8.
,, Carbolic Cryst. B.P. Ice Cryst. 112 lbs. @ 5d. lb.; 10 lbs. @ 6d.
,, Carbolic Detached Crystals. 56 lbs. @ 6½d. lb.; 10 lbs. @ 7½d.; 1-lb. Bots. 9d. each.
,, Citric Cryst. B.P. 1885. 1 cwt. @ 1/4½ lb.; 7 lbs. @ 1/5½.
,, Oxalic Cryst. 7 cwts. @ 3d. lb.; 1 cwt. @ 3¼d. lb.; 28 lbs. @ 3½d.
,, Pyrogallic. Crystals. 7 lbs. @ 4/3 lb.
,, ,, Resublimed. 100 1-oz. Bots. @ 6½d. each.
,, Salicylic Pulv. 1 cwt. @ 1/- lb.; 28 lbs. @ 1/0½; 7 lbs. @ 1/1.
,, Tartaric Pulv. English. 1 cwt. @ 10¾d. lb.; 28 lbs. @ 11¼d.; 7 lbs. @ 1/-.
Adeps Benz. B.P. 28 lbs. @ 8d. lb.
,, Lanæ Anhydrous B.P. 1 cwt. @ 51/- cwt.; 28 lbs. @ 6d. lb. [5½d. lb.
Adeps Lanæ Hydrous. 1 cwt. @ 46/- cwt.; 28 lbs. @
Aloes Barb. Pulv. English Ground. 1 cwt. @ 58/- cwt.
,, Socot. Pulv. English Ground. 7 lbs. @ 1/3 lb.
Alum Pulv. 1 cwt. Bags @ 7/9 cwt.
Ammon. Carb. Lump. 1 cwt. @ 3½d. lb.; 28 lbs. @ 4½d.
,, Chlor. Pur. B.P. 1 cwt. @ 29/6 cwt.
,, Sulphocyanid. Recryst. 28 lbs. @ 11d. lb.; 7 lbs. @ 1/2.
Amylum Pulv. B.P. 2½ cwts. @ 13/3 cwt.; 1 cwt. @ 14/-.
Aqua Anethi Conc. 1 to 40. 5 lbs. @ 2/4 lb.; 1 lb. @ 2/7.
,, Anisi Conc. 1 to 40. 5 lbs. @ 2/4 lb.; 1 lb. @ 2/7.
,, Cinnamomi Conc. 1 to 40. 5 lbs. @ 2/9 lb.; 1 lb. @ 3/-. [@ 2/7.
,, Menth. Pip. Conc. 1 to 40. 5 lbs. @ 2/4 lb.; 1 lb.
,, Rosæ Conc. 1 to 40. 1 lb. @ 6/- lb.
Balsam Copaibæ B.P. 44 lbs. @ 2/1 lb.; 9 lbs. @ 2/3; 1 lb. @ 2/6.
Benzo-Naphthol. 14 lbs. @ 2/4 lb.; 1 lb. @ 2/8.
Bismuth Carb. B.P. 14 lbs. @ 7/6 lb.; 3 lbs. @ 7/8; 1 lb. @ 7/10. [1 lb. @ 6/10.
,, Subnit. B.P. 14 lbs. @ 6/6 lb.; 3 lbs. @ 6/8;
Butyl Chloral Hydras B.P. 1 lb. @ 8/8 lb.
Caffeine Citrate, B.P. 10 lbs. @ 9/2 lb.
,, Pure, B.P. 10 lbs. @ 13/4 lb.
Camphor English Flowers B.P. 5 lbs. @ 1/11 lb.
,, ,, Tablets ¼ and ½ oz. 7 lbs. @ 2/1 lb.
Cera Alba, Genuine, Moons. 28 lbs. @ 1/6½ lb.; 4 lbs. @ 1/7½. [1/5½.
Cera Flav., Genuine, Slabs. 28 lbs. @ 1/4½ lb.; 4 lbs. @
Cetaceum, B.P. 64 lbs. @ 1/3 lb.; 7 lbs. @ 1/5.
Chloral Hydras, Cryst. B.P. 7 lbs. @ 4/4 lb.; 1 lb. @ 4/7.
Chloroform, B.P. 12×8 lb. Bots. @ 1/6½ lb.; 8 lbs. @ 1/7½; 3×1 lb. Bots. @ 1/10½.
Cocain. Hydrochlor. B.P. 100 ozs. @ 7/4 oz.; 25 ozs. @ 7/6; 1 oz. @ 7/10. [7 lbs. @ 8d.
Cotton Wool, Absorbent, Interleaved. 28 lbs. @ 7d. lb.;
Cream of Tartar, B.P. 1 cwt. @ 73/6 cwt.; 7 lbs. @ 9d. lb. [@ 2/-.
Creasotum Beechwood, B.P. 7 lbs. @ 1/9 lb.; 1 lb.
Creosote Carbonate. 1 lb. @ 3/6 lb.
Dec. Aloes Co. Conc. sine Crocc. 6 lbs. @ 1/2 lb.
Dec. Cinchonæ Rub. Conc., 1 to 7. 6 lbs. @ 1/4 lb.
,, Sarsæ Jam. Co. Conc., 1 to 7. 6 lbs. @ 2/2 lb.
,, Scoparii Conc., 1 to 7. 6 lbs. @ 1/5 lb.
,, Senegæ Conc., 1 to 7. 6 lbs. @ 1/10 lb.
Emp. Picis B.P. 7 lbs. @ 8½d. lb.
,, Plumbi B.P. 7 lbs. @ 8d. lb.
,, Resinæ B.P. 7 lbs. @ 8d. lb.
,, Saponis B.P. 7 lbs. @ 8d. lb.
Ext. Cascaræ Sagradæ Liq. B.P. 6 lbs. @ 1/2 lb.
,, Ergotæ Liq. B.P. 1 lb. @ 2/10 lb.
,, Glycyrrh. Liq. B.P. 6 lbs. @ 1/2 lb. @ 3¼d.
Ferri et Quinin. Cit. B.P. 100 ozs. @ 3d. oz.; 25 ozs.
Formaldehyde, 40%. 132 lb. Carboys, 45/- each.
Gamboge, English Ground. 7 lbs. @ 3/9 lb.
Glycerine. Prices on application.
Guaiacol Carbonate. 1 lb. @ 5/- lb.
Hexamethylenetetramine. 28 lbs. @ 1/11 lb.; 7 lbs. @ 2/-; 1 lb. @ 2/3. [2/11.
Hydrarg. Ammon. B.P. 28 lbs. @ 2/10 lb.; 7 lbs. @
,, Iodid. Rub. B.P. 28 lbs. @ 8/5 lb.; 7 lbs. @ 8/6. [@ 3/2.
,, Oxid. Flav. B.P. 28 lbs. @ 3/1 lb.; 7 lbs.
,, Oxid. Rub. B.P. 28 lbs. @ 2/10 lb.; 7 lbs. @ 2/11. [@ 2/4½.
,, Perchlor. B.P. 28 lbs. @ 2/3½ lb.; 7 lbs.
,, Subchlor. B.P. 28 lbs. @ 2/7 lb.; 7 lbs. @ 2/8.
Ichthyol Ammon. 3 lbs. @ 10/6 lb.; 1 lb. @ 10/9.
Infus. Aurant. Co. Conc., 1 to 7. 6 lbs. @ 1/1 lb.
,, Buchu Conc., 1 to 7. 6 lbs. @ 1/3 lb.
,, Calumbæ Conc., 1 to 7. 6 lbs. @ 11d. lb.
,, Cinchonæ Acid. Conc., 1 to 7. 6 lbs. @ 1/4 lb.
,, Gentian Co. Conc., 1 to 7. 6 lbs. @ 11d. lb.
,, Quassiæ Conc., 1 to 7. 6 lbs. @ 9d. lb.
,, Rhei Conc., 1 to 7. 6 lbs. @ 1/1 lb.
,, Senegæ Conc., 1 to 7. 6 lbs. @ 1/10 lb.
,, Sennæ Conc., 1 to 7. 6 lbs. @ 1/- lb.
Lin. Aconiti Meth. 6 lbs. @ 10d. lb.
,, Belladon. Meth. 6 lbs. @ 1/2 lb.
,, Camph. B.P. 40 lbs. @ 11d. lb.; 9 lbs. @ 1/-.
,, ,, Ammon. Meth. 6 lbs. @ 11d. lb.
Lint, Surgeons'. 7 lbs. @ 1/2 lb.
Liq. Ammon. Acet. Conc., 1 to 7. 6 lbs. @ 9d. lb.
,, Copaibæ Co. 5 lbs. @ 2/3 lb.
,, Bismuthi B.P. 6 lbs. @ 10½d.
,, Morphinæ Acet. B.P. 6 lbs. @ 2/- lb.
,, ,, Hydrochlor. B.P. 6 lbs. @ 2/- lb.
,, Rhei pro Syr., 1 to 7. 6 lbs. @ 1/8 lb.
,, Santal Co. 6 lbs. @ 3/- lb.
,, Sennæ pro Syr., 1 to 3. 6 lbs. @ 1/6 lb.
Magnes. Sulph. Opt. 1 cwt. @ 5/9 cwt.
Mel. Opt., Pale Set. 1 cwt. @ 36/- cwt.; 7 lbs. @ 5d. lb.
Mist. Sennæ Co. B.P. 20 lbs. @ 6½d. lb.; 6 lbs. @ 7½d.
Morphinæ Acet. or Hydrochlor. Pulv. B.P. 16 oz. @ 6/4 oz.; 1 oz. @ 6/8.
Naphthaline, Candle, Marble or Flake. 1 cwt. @ 11/- cwt.; 28 lbs. @ 13/- cwt.
Opium Turc. (10½% Morphine). 7 lbs. @ 13/6 lb.; 1 lb. @ 14/-.
Phenacetin B.P. Pulv. 7 lbs. @ 2/7 lb.; 1 lb. @ 2/9.
Potassa Caustica Stick B.P. 28 lbs. @ 9d. lb.; 7 1-lb. Bots. @ 10d.
Potass. Bromid. B.P. 1 cwt. @ 10¾d. lb.; 28 lbs. @ 11d.; 7 lbs. @ 1/-. [@ 7/11; 1 lb. @ 8/2.
,, Iodid. B.P. 1 cwt. @ 7/6 lb.; 14 lbs. @ 7/8; 3 lbs.
Pulv. Glycyrrh. Co. B.P. 28 lbs. @ 30/- cwt.
Spt. Æther. Nit. B.P. 5 lbs. @ 3/5 lb.
,, Ammon. Aromat. B.P. 5 lbs. @ 2/9 lb.

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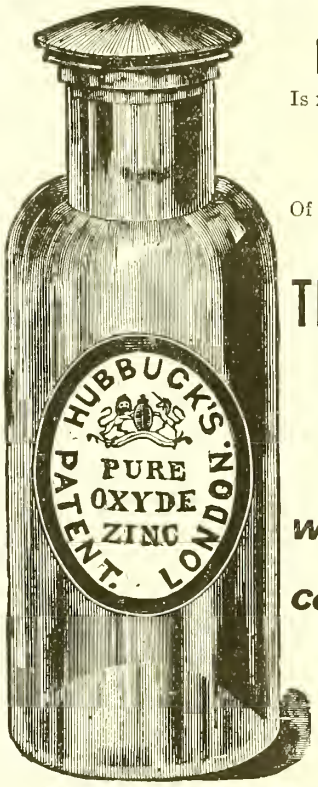
Lehn & Fink, New York.
McKesson & Robbins, New York.
Muth Brothers & Co., Baltimore.
Roller & Shoemaker, Philadelphia.
Schieffelin, W. H., & Co., New York.
Shoemaker, R. & Co., Philadelphia.



HUBBUCK'S PURE OXIDE

Is made by Sublimation, and is Warranted to contain upwards of

99 PER CENT.

Of Pure Oxide; in fact the impurities are not traceable.

THOS. HUBBUCK & SON, LTD.

(Established 1765).

24 LIME STREET, LONDON, E.C.

Manufacturers of—

White Lead, White Zinc, Paints, Oils, Colours, Varnishes, &c.

AUSTRALIAN OFFICE—
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The Manufacturers supply their Pure Oxide Wholesale only, in quantities of not less than 2 cwt.

ROBERT BLACKIE

SHEN WORKS, Tower Bridge Rd.

SPECIALIST FOR

SPUN OINTMENTS

(Reg. Trade Mark.)

UNEQUALLED.

MAG. CIT. ... ... No. 1, **56**/- cwt.; No. 2, **64**/- cwt.; No. 3, **72**/- cwt.

SALINE ... ... No. 1, **46**/- cwt.; No. 2, **60**/- cwt.; No. 3, **10**d. lb.

Bulk and Packed.

LIME CREAMS in all sizes

With various labels and varied finish. A homogeneous Pure White Cream, which keeps indefinitely and will not go thick or separate.

PRICES.

3 oz.	4 oz.	6 oz.	8 oz.	White French Limes.
21/- to **24**/-	**24**/- to **30**/-	**30**/- to **36**/-	**40**/- to **48**/-	per gross.

THERE IS A DEMAND, AND IT WILL PAY CHEMISTS TO STOCK

DIGALEN

A solution of Digitoxinum Amorph. Solubile (*Cloetta*), the most active principle of *folia digitalis purpurea*.

15 mins. of the solution contain 1–250 grain of Digitoxinum Amorph.

In Bottles of 15 cc.
In Sterilised Ampoules of 1 cc.

THIOCOL

A Potassium Salt of Guaiacol Sulphate. It is a chemically pure compound containing 52 % of Guaiacol. Used with great advantage for Tuberculosis, Pulmonary affections, Pneumonia, & Bronchitis.

THIOCOL (powder) in bots. of 1, 2, & 4 ozs.
,, Tablets in tubes of 10 & 25 each.

Obtain from any Wholesale House, or apply for particulars to—

THE HOFFMANN-LA ROCHE CHEMICAL WORKS, LIMITED,

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THE "GIANT" REMEDY.

Tel. Add.: "Giant, Plymouth."

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WRITE FOR TRADE TERMS.

Re-christened by the Americans

"The Great English Remedy."

1s. 1½d., 2s. 9d., 4s. 6d., 11s., and £1 1s.

Prepared only by

W. H. BOX, 161 KING ST., PLYMOUTH.

ESFON

The Nerve Food.

A Powder-Food that CURES.
Reinforces the NERVES.
Strengthens the system.
Appeals especially to Vegetarians.
Most palatable and really curative.
Interesting booklet on the relation of food to the nervous system.
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Minimum retail price, 1/6, 3/-, 6/-.

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12 & 13 Henrietta St., London, W.C.

GUARANTEED PURE·BRITISH MANUFACTURED

SPECIAL BRANDS FOR THE TROPICS

ALL QUALITIES ALL PACKAGES

THE HULL OIL MANUFACTURING CO. LTD. HULL Engld

The Largest Manufacturers of Castor Oil in the World.

SAL HEPATICA.

PUT UP FOR EXPORT:

Small size, 3 oz. bottle, in case.
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F. Newbery & Sons, Ltd., 27 Charterhouse Square.

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POTTER & CLARKE LTD.

THE ORIGINAL MAKERS

RASPBERRY
— and —
SULPHUR CREAMS

4 lb. Boxes **8d.** per lb.

28 lb. Lots **65/-** per cwt.

Better than Sulphur Tablets.
Only show them,
They sell themselves.

Free Sample on receipt of Post Card.

FLUID EXTRACTS
COATED PILLS
NEW REMEDIES
FRUIT ESSENCES
DRUG GRINDERS
LOZENGES

POTTER'S ASTHMA CURE

GROWERS & IMPORTERS OF HERBS. ROOTS. & BARKS

HERBS IN PACKETS

POTTER & CLARKE. LTD. WHOLESALE DRUGGISTS EXPORTERS IN BOND
60-64. ARTILLERY LANE. LONDON. E.

KHAKI Coloured ELASTIC HOSIERY.

Something New for the Summer Season.

IT LOOKS WELL. SELLS WELL. WEARS WELL.

This new colour was originally made up for wear by athletes, cyclists, &c., who find it preferable in many ways to white, but we find that wherever shown it has commended itself to all classes of wearers of elastic hosiery, and has been sold freely by every chemist who has stocked it. It is somewhat cheaper than the ordinary white article, but is not in any way inferior either in the quality of the elastic or the cotton, while it is much less easily soiled. In order to induce chemists to stock a range of sizes we are offering a specially low price for purchasers of not less than one dozen pairs at a time. Try a sample pair money back in full if you do not like them.

NOTE THE LOW PRICES.

KHAKI coloured cotton elastic ***Stockings***, sizes 1 to 8 ... per pair ***2s. 6d.***
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N.B.—Out sizes and Specials are not made in this colour.

5 per cent. discount allowed for prompt cash off above and all List prices.
Carriage paid on orders of £2 and upwards to any town in the United Kingdom.

We are the right House for Anti-Rheumatic Rings, Belts, Catheters, Enemas, Hot-water Bottles, Injection Syringes, Pessaries, Sponge Bags, Trusses, Water Beds, Water and Air Cushions, Waterproof Sheeting, and every description of India Rubber Goods.

OUR GOODS ARE RIGHT AND PRICES LOW.

WRITE FOR NEW ILLUSTRATED PRICE LIST, POST FREE.

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The Original and only Genuine

Allcock's

POROUS **PLASTERS**

A REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters
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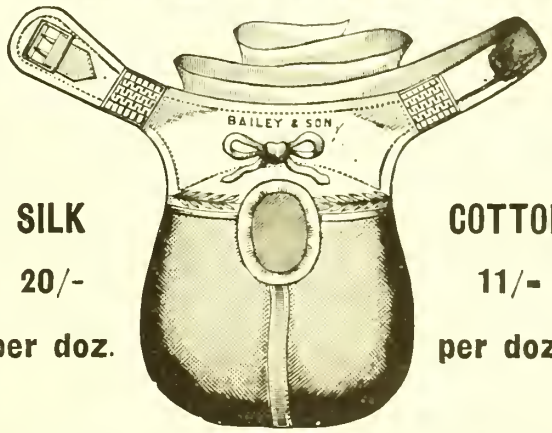
} *The Three Reliables.*

A HANDSOME SHOWCARD will be sent free of cost and post paid on application.

ALLCOCK . . MANUFACTURING COMPANY . .
22 Hamilton Sq., Birkenhead.

"Sold all round the World."

BAILEY'S "A.B.C." SUSPENSORIES.



SILK 20/- per doz.

COTTON 11/- per doz.

Assorted—A, small; B, medium; C, large bags.

W. H. BAILEY & SON,
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POWDER PAPER. PAINT PAPER.
COMBINATION PAPER BOOKS.
SOAP LEAVES IN BOOKLETS.
NAIL-POLISHING PAPER.
NAIL-POLISHING STONES.
IN ALL VARIETIES.

Best Qualities. Lowest Prices.

PHARMAZEUTISCHE INDUSTRIE-GESELLSCHAFT. m.b.H.
OFFENBACH a. M. (GERMANY) 5.

VISCOSE BOTTLE CAPS

For CAPPING EVERYTHING whether corked, stoppered or sprinklered. BETTER APPEARANCE, MORE EFFICIENT AND EASIER TO APPLY THAN ANY OTHER CAPPING.
Strong, perfect fitting, SELF-FIXING, air-tight and spirit-tight, &c. &c.

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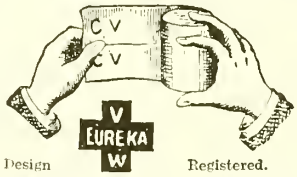
VINCENT WOOD'S NEW FAST EDGE
"Eureka" Crêpe Velpeau Bandages.

Every Genuine Bandage must have "Eureka" on Wrapper.

RUBBERLESS, Porous and WASHABLE.

Special discount for quantities.



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Customers can have their own names on Wrappers and Circulars.

THE BANDAGE OF THE FUTURE
in cases of Varicose Veins, Sprains or Abdominal Binding, &c.
NO OTHER will be worn or asked for.

Prices per doz. Bandages, Widths:	2	2½	3½	8	11 ins.
Best Quality	12/-	15/-	18/-	36/-	54/-
2nd ,, ...	9/-	12/-	15/-		

Send for Price List of Trusses, Belts, Hot Water Bottles, Elastic Stockings, Sponge Bags, Bathing Caps, &c.

4 ALBION PLACE, Blackfriars Bridge, LONDON, S.E.

DISPENSING BOTTLES & PHIALS.

I. ISAACS & CO., Glass Bottle Manufacturers,
106 Midland Road, St. Pancras, London, N.W.

Beg to call attention to their REDUCED PRICES.
We make the New Shape, Oval Fronted Bottles. No extra charge.

FIRST QUALITY.
3 & 4 6 & 8 12 16 ounce. } Round edges, plain or graduated, quinine tinted.
9/- 10/- 15/- 20/- per gross }

SECOND QUALITY.
3 & 4 6 & 8 12 16 ounce. } Round edges, plain or graduated, clear blue tinted.
7/6 8/6 12/- 18/- per gross }

PANEL BOTTLES (reduced prices).
2 3 4 6 8 ounce
7/6 8/- 8/- 9/- 10/- per gross.

WHITE PHIALS—GOOD QUALITY.
½ 1 1½ 2 ounce } Plain or teaspoons.
3/6 4/- 4/6 5/6 per gross }

Six gross and upwards, assorted or otherwise, sent carriage paid to any address in the United Kingdom. Smaller quantities not carriage paid.

Established 50 years. Bankers: London and Westminster Bank

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SHOP BOTTLES AND JARS WITH VITRIFIED LABELS, SHOW BOTTLES,
Perfume, Screw-capped, and Medical Bottles of all kinds,
Graduated Measures, Druggists' Sundries.
Illustrated Catalogues free.

GLASS BOTTLES
OF EVERY DESCRIPTION.

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PHIALS; COUGH MIXTURE PANELS;
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POISONS; SCREW-CAPPED POMADES, OPAL POMADES; ESSENCES, LIMES, ETC., ETC.
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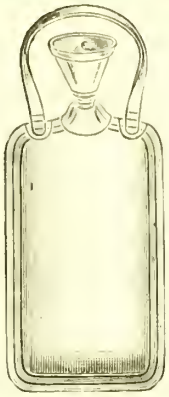

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RUBBER GOODS

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¶ The hot water bottle illustrated above is an example of Hutchinson Workmanship and Materials.

Hutchinson Specialities add pounds to your profits.

They are a line for which there is always a large demand.

They have 50 years' experience behind them.

They are made from the finest material by the best labour.

They make your customers your friends.

They are low priced and sell quickly.

¶ *Chemists, write for our list now.*

¶ Quality: Our Watchword.

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your expenses.

REALIZE

how much you can save

In Carriage with Free Cases.

WHEN BUYING

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COMPARE THE

Quality, Prices, and Terms.

Don't accept statements without actual experience.

Send for

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(LYNCH & CO. Incorporated)

Price List

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BRUNNER, MOND & CO.'S

Alkali Products.

Crescent Brand.

These products are made by the Ammonia Process, and are distinguished from others by their great purity.

Bicarbonate of Soda.

This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

Concentrated Crystal Soda.

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

Pure Alkali.
58 Degrees.

A dry white powder; dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

Pure Soda Crystals.

NOTE.—Proceedings have been taken by the Board of Trade against a person for selling as Soda Crystals an adulterated article, and the High Court has upheld the conviction. See the case of FOWLER *v.* CRIPPS, heard on 8th November, 1905, before a Divisional Court, consisting of the Lord Chief Justice, Mr. Justice Wills, and Mr. Justice Darling.

Caustic Soda.

Bleaching Powder.

Manufactured from pure Carbonate, and supplied of all degrees of strength.

Retailers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

BRUNNER, MOND & CO., LIMITED, NORTHWICH, CHESHIRE.

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NUMBER 1. *ONE INSIDE SHOWCARD* to any of the enclosed patterns. The dimensions and a reference letter are marked upon the back to avoid the return of the one selected.

NUMBER 2. Three dummies ROYAL Embrocation 2/- size.
Six „ „ „ 1/- size.
Six „ UNIVERSAL „ 1/1½ size.

NUMBER 3. 250 Counter Bills, 50 R.E.P. Booklets as patterns enclosed with your name and address printed on them. (Carriage paid by Passenger Train.)

Please return this Sheet, CROSSING OUT the offer you do not accept, affixing below one of your labels and MARKING AT THE SIDE of it the reference LETTER OF THE SHOWCARD SELECTED.

By using this form, we can pass it immediately into the department that will attend to it.

Space for Business Label.

If any communication of the nature of a letter be added, then this may not be sent in an open envelope with a half-penny stamp upon it.

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DUPLICATE of this MODEL and PATTERNS sent upon receipt of POSTCARD request for same; also one each free copies (for office use), of the R.E.P. and E.F.A. Books.

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SYRUP OF FIGS

CADBURY'S COCOA
A DELICIOUS BEVERAGE AND AN INVALUABLE FOOD.

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